

19990202.qrp v01_n355.qrl.990202

Date: Tue, 2 Feb 1999 19:06:00 EST

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 1355

QRP-L Digest 1355

Topics covered in this issue include:

- 1) [31716] <none>
by Lamborn@onlinecol.com
- 2) [31717] Re: mail list vs. newsgroup
by Jeff Johns <jeffj@scott.net>
- 3) [31718] Re: I com 735 trade/sale?
by James Skalski <jskalski@buffnet.net>
- 4) [31719] Re: Icom 735 trade/sale?
by Joe Gervais <vole@primenet.com>
- 5) [31720] Re: [Elecraft] Anticipation...made worse by reading the weekend's digests
by DYARNES@aol.com
- 6) [31721] RIGS, etc. - Icom 735 trade/sale?
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 7) [31722] NC20 Status de K5FO
by Chuck Adams <adams@ticnet.com>
- 8) [31723] Re: K5FO's NC20
by Chuck Adams <adams@ticnet.com>
- 9) [31724] Fw: [psk31] a SB board
by "Vincent Ferme" <vferme@sprint.ca>
- 10) [31725] Happy Zombie
by "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
- 11) [31726] "The Victorian Internet"
by Mighty Mik <mitymik@hooked.net>
- 12) [31727] Re: Want mW or QRP WAS ? - Contests for next weekend !
by Ron Stark <ku7y@dri.edu>
- 13) [31728] QSK & Q?
by Jeff Johns <jeffj@scott.net>
- 14) [31729] Heathkit hw-7 Schematic
by Jeff Johnson <jeff@san-dc.com>
- 15) [31730] Re: QSK & Q?
by "Steve Sorrell" <ap036@detroit.freenet.org>
- 16) [31731] Re: Freq Counter
by Nick & Susan Caruso <nzc@mediaone.net>
- 17) [31732] FS Gusher 20-20 antennas
by Joe Everhart <n2cx@voicenet.com>
- 18) [31733] NVIS practice results
by Jim Glover <psykey@okcforum.org>

- 19) [31734] The Last QRP++???
by "Kelly Ellison" <kelman@dialnet.net>
- 20) [31735] WTD: Heatsinks
by Paul Erickson <paule@sfu.ca>
- 21) [31736] Feb. Spartan Sprint.
by Ed Loranger <we6w@juno.com>
- 22) [31737] K5FO and NC20
by ki6ds@dpol.k12.ca.us (Hendricks, Doug)
- 23) [31738] Re: Feb. Spartan Sprint.
by Gary L Surrency <gsurrency@juno.com>
- 24) [31739] Re: The Last QRP++???
by W7LS <w7ls@blarg.net>
- 25) [31740] Wilderness SST Troubles!
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
- 26) [31741] FYBO "To the Border" (CO/NM)
by Paul Harden <pharden@aoc.nrao.edu>
- 27) [31742] Yagi Uda...
by N7YA@aol.com
- 28) [31743] WTB: NC20
by Bill Robbins <billrobb@net-link.net>
- 29) [31744] Re: NC20 Status de K5FO
by David Fifield <fifield@pacbell.net>
- 30) [31745] Spartan Sprint Report - February 1999
by dave.g0dja@psilink.co.uk (David J. Ackrill)
- 31) [31746] Digital Displays - Help!
by "Mike Martin" <mmartin@internetni.com>
- 32) [31747] Fox Hunts
by dave.g0dja@psilink.co.uk (David J. Ackrill)
- 33) [31748] Re: Yagi Uda...
by "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
- 34) [31749] ARS Feb Spartan Sprint
by Sam Billingsley <SBillingsley@usaninc.com>
- 35) [31750] Re: Digital Displays - Help!
by Barry J Minsky <w2bj@juno.com>
- 36) [31751] Bad day, good day...
by Chris Cartwright <ccart@dns.vidtel.com>
- 37) [31752] Thanks
by Jeff Johns <jeffj@scott.net>
- 38) [31753] Emtech QRP Tranceiver kits
by wa8jpr@juno.com
- 39) [31754] Re: FYBO "To the Border" (CO/NM)
by "Steve/n0tu" <n0tu@webaccess.net>
- 40) [31755] Re: FYBO "To the Border" (CO/NM)
by "Steve/n0tu" <n0tu@webaccess.net>
- 41) [31756] RC5051M
by jn2amr@a1.mbn.or.jp
- 42) [31757] NC20, K2
by Bob Hightower <ki7mn@extremezone.com>

- 43) [31758] Fw: Re: Any relayless QSK rigs out there?
by Neil Klagge <w0yse@juno.com>
- 44) [31759] Re: WTD: Heatsinks
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 45) [31760] Heathkit hw-7 Schematic
by Jeff Johnson <jeff@san-dc.com>
- 46) [31761] Re: Emtech QRP Tranceiver kits
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 47) [31762] Re: FYBO "To the Border" (CO/NM)
by Roger Hightower <n7kt@earthlink.net>
- 48) [31763] Re: Emtech QRP Tranceiver kits
by K0RWC <rcw@frii.com>
- 49) [31764] Re: QSK & Q?
by DNT1@daimlerchrysler.com
- 50) [31765] WTB: Decent Paddle
by "Nathan Odle" <nodle01@mail.coin.missouri.edu>
- 51) [31766] In Search Of: Power consumption for rigs
by John Evans - N0HJ <jaevans@codenet.net>
- 52) [31767] Re: Bad day, good day...
by Ed Loranger <we6w@juno.com>
- 53) [31768] Re: Yagi Uda...
by af852@rgfn.epcc.edu (William R Colbert)
- 54) [31769] Re: Bad day, good day...
by Ed Loranger <we6w@juno.com>
- 55) [31770] NC20 questions that I got
by Chuck Adams <adams@ticnet.com>
- 56) [31771] Re: Emtech QRP Transceiver kits
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 57) [31772] Ameco Preamp
by "K10J" <k10j@swbell.net>
- 58) [31773] Some new hobby!
by Brett Gazdzinski <Brett.Gazdzinski@mci.com>
- 59) [31774] FYBO and Border Ops--No!
by William McFadden <wmcfadde@oucsace.cs.ohiou.edu>
- 60) [31775] Subject: Intntl 500 KHz listening watch ended
by tf3vst@vortex.is (Villi Idunni)
- 61) [31776] WTB: NorCal paddle kit
by Clifton W Sikes <ab5uacw@juno.com>
- 62) [31777] Re: FYBO "To the Border" (CO/NM)
by Chris Cartwright <ccart@dns.vidtel.com>
- 63) [31778] Re: FYBO and Border Ops--No!
by Bob Patten <n4bp@bc.seflin.org>
- 64) [31779] pixie II for 10m
by "paul taylor" <ptay1@hotmail.com>
- 65) [31780] RE: Some new hobby!
by "Ed Tanton" <n4xy@mindspring.com>
- 66) [31781] == WHICH HF RIGS CAN DO QRP? ==
by alfa33@scn.org

67) [31782] It's here!!!!
by "C. Lamar Derk" <n3at@epix.net>
68) [31783] RE: Radio Works Carolina Windom
by "Larry Cruise" <aa5ta@texasonline.net>
69) [31784] ARS Spartan Sprint
by jfd_WA8GHZ <jdougher@wt.net>
70) [31785] Re:Hi L.B.....
by John M Andrews <n5inz@juno.com>
71) [31786] Re: FYBO and Border Ops--No!
by Paul Harden <pharden@aoc.nrao.edu>
72) [31787] Melt Solder?
by Arthur Gary Silvers <ags@ieee.org>
73) [31788] Re: Melt Solder?
by "Mike Yetsko" <myetsko@insydesw.com>
74) [31789] The Bird Feeder Stelth Antenna
by W5TB <w5tb@SoftHome.net>
75) [31790] Son of FireBall:New List
by William-McShan@ouhsc.edu (Mike McShan)
76) [31791] Re: Melt Solder?
by "Mike Yetsko" <myetsko@insydesw.com>
77) [31792] Re: Newsgroup vs mail reflector
by "Mike Czuhajewski" <wa8mcq@erols.com>
78) [31793] QRP flashlight
by Charles Kadesch <chas@digizen.net>
79) [31794] Re: == WHICH HF RIGS CAN DO QRP? ==
by Bruce Muscolino <w6toy@erols.com>
80) [31795] NC20 tips (long)
by Gary L Surrency <gsurrency@juno.com>
81) [31796] Orlando Hamcation
by Patrick M Kvitkauskas <pmk@juno.com>
82) [31797] N0PTB beacon info
by "William H. Hays" <wj5o@juno.com>
83) [31798] Re: FYBO and Border Ops--No!
by W5TB <w5tb@SoftHome.net>
84) [31799] Re: == WHICH HF RIGS CAN DO QRP? ==
by John Levreault <jlevro@mediaone.net>
85) [31800] solder station
by "Walter D. Amos" <waltk8cv@surfree.com>
86) [31801] Your suggestions/comments
by Jeff Johns <jeffj@scott.net>
87) [31802] FYBO temp mult outside?
by Jeff <fantbb@yahoo.com>
88) [31803] VR(resonator)0's
by klhartman@lucent.com
89) [31804] Re: Some new hobby!
by Jeff <fantbb@yahoo.com>
90) [31805] NC20 up and running
by David J Adams <adamsclan@netgate.net>

- 91) [31806] Re: Who's Who list....some clarification.
by af852@rgfn.epcc.edu (William R Colbert)
- 92) [31807] Solder Stations/Tips on Sale...
by "Radman" <radman@best.com>
- 93) [31808] Re: Your suggestions/comments
by Bruce Kizerian <kizerian@ced.utah.edu>
- 94) [31809] Re: pixie II for 10m
by "Ron Smith" <resmith666@uswest.net>
- 95) [31810] Re: I com 735 trade/sale?
by Kevin Bunin <p014455b@pb.seflin.org>
- 96) [31811] Re: mail list vs. newsgroup
by "Irving" <jbirving@ticon.net>
- 97) [31812] Re: Your suggestions/comments
by Bruce Kizerian <kizerian@ced.utah.edu>
- 98) [31813] Re: It's here!!!!
by "Jeff Logullo - SE Sun St. Louis" <Jeff.Logullo@Central.Sun.COM>
- 99) [31814] Tech America Specials
by "Marshall Emm" <mgemm@mtechnologies.com>
- 100) [31815] Re: It's here!!!!
by "Bryan Turner" <turnerw@email.uah.edu>
- 101) [31816] Re: == WHICH HF RIGS CAN DO QRP? ==
by "Irving" <jbirving@ticon.net>
- 102) [31817] FOX: Fox Tonight?
by malman@world.std.com (joel malman)
- 103) [31818] Re: Melt Solder?
by Mike Manship <mjmanship@iquest.net>
- 104) [31819] Re: It's here!!!!
by Dave Marling <dbm@klis.com>
- 105) [31820] Re: It's here!!!!
by Kory Hamzeh <kory@avatar.com>
- 106) [31821] Solar Forecast for FYB0
by Paul Harden <pharden@aoc.nrao.edu>
- 107) [31822] OHR 100A
by tf3vst@vortex.is (Villi Idunni)
- 108) [31823] Re: Subject: Intntl 500 KHz listening watch ended
by Arjen Raateland <Arjen.Raateland@vyh.fi>
- 109) [31824] Re: NC20 up and running
by n4js@pobox.com (John Sielke)
- 110) [31825] Re: == WHICH HF RIGS CAN DO QRP? ==
by "Michael A. Newell" <wb4huc@texas.net>
- 111) [31826] Re: It's here!!!!
by Ron Stark <ku7y@dri.edu>
- 112) [31827] Re: Elecraft K2
by "Alyn Backe" <ve6bpr@cnnnet.com>

Date: 1 Feb 1999 16:53:44 MDT

From: Lamborn@onlinecol.com
To: qrp-l@Lehigh.EDU
Subject: [31716] <none>
Message-ID: <199902020001.TAA47918@nss4.cc.Lehigh.EDU>

y NorCal 20 kit arrived today complete with a note from the postman expressing concern about the rattle (The case halves). This kit is one of the two prizes I won at the Ariz. sQRPions QRP seminars at the Fort Tuthill Hamfest in Flagstaff last July. As lurking learner on QRP-L and a proud NorCal Zombie, I thank the sQRPion club members, especially Brian Kassel (my qrp elmer), Doug and Jim of Norcal, and all the others who helped make this fine radio possible.

72

Steve Schroder KI0KY Hotckhiss, CO QRP-L No. 1303

Date: Mon, 1 Feb 1999 18:31:32 -0600
From: Jeff Johns <jeffj@scott.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31717] Re: mail list vs. newsgroup
Message-ID: <199902020031.SAA04815x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

One newsgroup that I enjoy reading, especially here lately with my interest in CW at an all time high, is alt.ham-radio.morse It hasn't been infiltrated with the tons of spam that the other groups seem to have been ruined with.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Mon, 1 Feb 1999 19:36:39 -0500 (EST)

From: James Skalski <jskalski@buffnet.net>
To: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31718] Re: I com 735 trade/sale?
Message-ID:
<Pine.LNX.4.03.9902011934450.1108-1000000@valhalla.valhalla.buffalo.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

You are wasting your money if you trade the icom for the k2. Add up all the options for the K2 and see what the total is. SSB,high power option. Just drop the power down. The Icom 735 is a superb rig.

73,

Jim N2go

Date: Mon, 1 Feb 1999 18:00:21 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [31719] Re: Icom 735 trade/sale?
Message-ID: <199902020100.SAA06494@usr02.primenet.com>

Howdy Jim and Folks,

Jim (N2GO) wrote:

>

> You are wasting your money if you trade the icom for the k2. Add up all
> the options for the K2 and see what the total is. SSB,high power option.
> Just drop the power down. The Icom 735 is a superb rig.

Yeah, but if you want a rig that draws 200mA instead of guzzling multiple amps on receive, you're SOL with the Icom. ;-)

Particularly if you don't want to bother with SSB/high power, the K2 appears to be quite the bargain as far as performance for the buck. Sweet little (yet full-featured) CW rig.

Then there's the issue of which rig you'd be more likely to be able to fix yourself if it breaks.

Lots of issues to consider.

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

FYBO Winter QRP Field Day - Feb 6th - See <www.extremezone.com/~ki7mn>

Date: Mon, 1 Feb 1999 19:51:26 EST
From: DYARNES@aol.com
To: qrp-1@lehigh.edu
Subject: [31720] Re: [Elecraft] Anticipation...made worse by reading the weekend's digests
Message-ID: <c8e46015.36b64c0e@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

In a message dated 2/1/99 10:52:34 AM US Mountain Standard Time,
Peter_Simpson@ne.3com.com writes:

<< It appears that my K2 is in the second batch mailed.
The GOOD news, is that I can benefit from all the
debugging that's been done over the weekend. >>

Ditto for me! I think the alphabet gremlin got me (my last name is near the end of the alphabet)! It kept me from excessive amounts of KP in the army, but usually it is a disadvantage. It's a bummer to see that mail truck go right on by.

The good news is that I've been able to do some work on my NC20. Man is that board packed tight with parts! Good technique warm up for the K2, that's for sure.

Gotta go! Time to check the mailbox!

72 de Dave W7AQK

Date: Mon, 1 Feb 1999 20:33:47 -0500

From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31721] RIGS, etc. - Icom 735 trade/sale?
Message-ID: <199902020134.UAA285482@virtualmaster3-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi gang,

I have the IC-728, the little brother without all the excellent bells and whistles of the IC-735. I was going to trade in or sell my IC-728, but decided to not spend extra money I don't need to right now towards a new rig.

The Icom is a guzzler on receive and transmit, I bet at least 4 amps on 40M CW 5 watts out at least. But it works well for me. It's my schleppable (spelling?) portable rig during most of my contesting over the last few years. I'm going for something smaller for portable CW work shortly.

I'm sure there's a K2 in my future. Hey gotta remember that balance thing in the front of the Handbook. YL needs a vaca, and so do I! It's vaca or K2. My ol' reliable Kenwood TS-520SE is beautiful on SSB. That's my SSB ragchew rig. Still have HW-8 and Argonaut 509 to play with when portable, not to mention OHR rigs and MFJ SSB rigs.

72 Kevin N2TO
Brooklyn, NYC
kfglynn@prodigy.net

Date: Mon, 01 Feb 99 20:24:43 -0500
From: Chuck Adams <adams@ticnet.com>
To: qrp <qrp-1@lehigh.edu>
Subject: [31722] NC20 Status de K5FO
Message-ID: <E107VTR-00000y-00@smtp.ticnet.com>

Gang,

It's all together and it is beautiful. Got it all finished about 11a.m. this morning then got a call about lunch that I had scheduled with the gang that I used to work with. So off to lunch.

Get back and finish up the transmitter alignment. Just a smidge under 5.0W with Heath PSA-9 P/S the one used with the HW-9 series.

OK, so off the dummy load and onto the antenna. Ah ha, atmospheric noise. That's good as it goes away when I disconnect the antenna. Looking good.

Everything ready to rock and roll and then keyer starts sending dahs and I don't have a paddle hooked up like I did last night during part of the assembly procedure.

Well to make a long story short I took me a number of hours tracking down the problem. I had the Tick in a socket so I thought that was the problem. Out comes the tick and the socket, clean up the area, and then when measuring resistance note that the dit side is infinite but only 2.64K on the dah side. Also 2.64K on pin 1, so I figure they are shorted. Scrape the area between the land for the dah and pin 1. Still 2.64K. Scrape again. Still same story. Get the spray relay cleaner and clean everything. OK, after a few hours of this stuff I decide to measure the resistance between pin 1 and 6. What? 2.3K? Well, I finally find that the stereo socket has something in it. Bummer. So new socket, cleanup, alignment, and set to 0.95W with OHR WM-1A and all is well at this time. Hind site is 20/20.

OK, on the air at 0205UTC and hear AA7QU calling CQ TST. Oh, ARS is tonight. So first Q is AA7QU in OR his 579 at 4 and my 559 at 0.95W. So one state down and 49 to go. I'll catch up on email and stuff later when 20 dies.

Pics on the web at 11. :-)) I'm on the air. Any other NC20s show up and be square in the QRP neighborhood. Review to follow in the a.m.

Rig is clean, nice keying and I have the AGC disabled. Have to go back and reset it later as it triggered on me at the wrong time during all this chasing a minor problem. :-))

dit dit

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Mon, 01 Feb 99 20:31:02 -0500
From: Chuck Adams <adams@ticnet.com>
To: Jim Lyons <lyons@canada.com>
Cc: qrp <qrp-1@lehigh.edu>
Subject: [31723] Re: K5FO's NC20
Message-ID: <E107VZX-00002C-00@smtp.ticnet.com>

Jim et.al.,

Good questions.

On the resitors and parts. What I do is bend the top lead over but at about 30 degrees from the body of the part. When I place the part into the two holes there is a friction fit due to the spring type arrangement. By carefully sliding the part in until it is about 1/16 inch or so and I just eyeball this and stick with whatever the first one is. Two reasons for this. One, yes you can probe the bottom near the board and the capillary action of the solder also forms a nice bead around the base so I figure double solder joint. That is why it is very very critical that when you do this you know for sure that you have the right part in the right place, but on removal of the socket I didn't have a problem even with it.

The only IC that is socketed is the Keyer chip as recommended in the book if you want to consider a chip upgrade from Embedded Research. I can say this about them. If you saw there talk at Pacificon a couple of years ago when they got started, those guys know their keyer history and they know the difference between MODE A and MODE B when it came time to program it into their chip. I love their MODE B.

I think I answered all the questions. I gotta get back on the air. It's what all this stuff is about. Operate and operate.....

dit dit es tnx

--

Chuck Adams K5FO adams@ticnet.com CP-60

<http://www.ticnet.com/k5fo>

Date: Mon, 1 Feb 1999 21:44:16 -0500
From: "Vincent Ferme" <vferme@sprint.ca>
To: <qrp-1@lehigh.edu>
Subject: [31724] Fw: [psk31] a SB board
Message-ID: <010501be4e55\$eda12420\$c61005d1@vince>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

This message was posted on the PSK31 mailing list, thought it would be of interest here.

>>From Peter Martinez G3PLX
>
>Re PSK31SBW
>
>I have now found that some soundcards are refusing to work with version 1.04 because their drivers will ONLY accept sample-rates of precisely 11025, 22050, 44100, and version 1.04 tries to set the soundcard sample-rate to the nearest multiple of 500Hz, even if you type in 11025 to the sample-rate box. Most soundcards will accept any sample-rate you ask them for, even if they then round it off to the nearest figure they can actually generate.
>
>If you find your card refuses to work with 11025, try 8000. So far, all the reports of failure to work at 11025 have worked at 8000.
>
>The real fix will be in 1.05, but that isn't ready yet. With a bit of luck it will be in a week or so. Just waiting beta reports on outstanding bugfixes.
>
>73
>Peter
>

Date: Mon, 01 Feb 1999 21:51:11 -0500
From: "T.J. \"SKIP\" Arey N2EI" <tjarey@home.com>
To: NJQRP Club <njqrp@njqrp.org>, "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>

Subject: [31725] Happy Zombie
Message-ID: <36B6681F.8A04CC6E@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I came home from a hard day at work to find a Priority mail box waiting for me. I GOT MY NORCAL 20!!!!!! Now I have to hurry up and finish up my other winter project (An SW40+, I've been working on a custom case idea) so I can melt some 20 meter solder. Of course then theres my NJQRP Fireball 40s...So many kits, so little time...I LOVE THIS HOBBY!!! Many thanks to the NorCal project group. This is a beautiful kit.

--

+++++

T.J. "SKIP" AREY N2EI e-mail tjarey@home.com

Website <http://members.home.net/tjarey>

Snail Mail: PO Box 236, Beverly, NJ 08010

Specialization is for insects! LAZARUS LONG

Date: Mon, 01 Feb 1999 18:59:13 -0800
From: Mighty Mik <mitymik@hooked.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [31726] "The Victorian Internet"
Message-ID: <36B669FD.D966552A@hooked.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; x-mac-type="54455854"; x-mac-creator="4D4F5353"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Multimedia enabled list readers may find the following URL interesting...

<http://www.news.com/Radio/Features/0,155,594,00.html>

it's about telegraphy and similarities to today's Internet.

Date: Mon, 1 Feb 1999 19:00:15 -0800 (PST)

From: Ron Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31727] Re: Want mW or QRP WAS ? - Contests for next weekend !
Message-ID: <Pine.SOL.3.96.990201184324.20909B-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 1 Feb 1999, Tom Palmer wrote:

> The "GERATOL NET" (with an "A") is a WAS net that
> meets during the winter on 3.768 starting at 0200 UTC.
> Extra Class only. No CW allowed. Many have worked
> WAS QRP on that net. Not sure about QRPP. Many
> good ears and FB group.

While I was living in Idaho I was asked to go to the
Geratol net and help people get Idaho.

Being a CW fellow all my ham life I thought I'd give
it a go. You know, see what this SSB stuff is all
about.

But it turns out that you really don't need to work
the station to get credit for the contact! Nope, not
at all.

Net control will say "X1XXX give X2XXX a call, he's listing
for you"..... then you will hear X1XXX calling. Then
nothing.... and then someone will say "X2XXX X1XXX is
calling you" and you hear "X1XXX this is X2XXX. Your
44, 44, New State, New State, over"..... nothing, but
then comes a voice.. "X1XXX he gave you a report, send
your report".... X1XXX says something like "I copy 55,
55"..... that other voice comes on again saying "lower,
lower".... X1XXX says "I copy 44, 44".... OK, OK is heard
out of the speaker, but again it's not X2XXX. Then X1XXX
gives his report "X2XXX this is X1XXX, your 44, 44, My
State, My State, over"..... again nothing from X2XXX so
that other little voice come on saying "X2XXX, he sent
a report.... X2XXX comes back saying "I copy 44, 44".
(He says this knowing that the other station will send
back the same report he sent!)

Then after such a fine operation, the net control will
make the official announcement, "Good contact, now X3XXX
call X1XXX" and so it goes!

Oh sure, there are a great many that do really hear each

other. But far too many phantom contacts for me! Sounds as bad as the DX nets.

It really is the welfare role of WAS!

Granted, that was a few years ago, but I left and haven't been back! (Well, I did listen once about 5 years ago and it was the same thing!).

Gee, I wonder who the first could be to work WAS without ever contacting the other stations? :-)

OK, flame suit on....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Mon, 1 Feb 1999 21:04:41 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-l@Lehigh.EDU
Subject: [31728] QSK & Q?
Message-ID: <199902020304.VAA01690x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Okay, I know that FSK is the acronym for Frequency Shift Keying and understand that, but what does QSK stand for? Also, when someone is referring to a antenna tuner and speaking of Q, what does Q mean?

On an unrelated note.... I find it ironic that I finally am really excited about CW and learning the proper way to send and receive only to see it disappear from the maritime service today <sigh>. I hope it wasn't me that made that happen <grin>.

73 Everybody! Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
```

Date: Mon, 01 Feb 1999 20:27:55 -0700
From: Jeff Johnson <jeff@san-dc.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [31729] Heathkit hw-7 Schematic
Message-ID: <3.0.32.19990201202750.00f2fbb0@pop3.san-dc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Anyone know how I can get my hands on a schematic for a Heathkit hw-7 QRP
transceiver?
Jeff Johnson
KJ7LO

AZ ScQRPions, QRP-1 1739, ICQ 213663

Phoenix, Arizona

Date: Tue, 2 Feb 1999 03:39:27 -0000
From: "Steve Sorrell" <ap036@detroit.freenet.org>
To: <jeffj@scott.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31730] Re: QSK & Q?
Message-ID: <003801be4e5d\$a38e7560\$c642b3c7@sorrells>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

OK, I hope this isn't a troll through the trailer park with a hundred dollar
bill:

Q= quality factor, The ratio of energy stored in a reactive component (i.e.
capacitor or inductor) to the energy dissipated, equal to the reactance
divided by the resistance. ref: chap 6 1996 ARRL Handbook.

QSK- Can you hear me between your signals and if so can I break in on your
transmission? I can hear you between my signals; break in on my
transmission.

In other words, can your radio receive between dits and dahs? My radio can.
Another term for 'break in' operation on CW ref: chapter 30 1996 ARRL

Handbook.

If you don't have one, your library probably does, if not, its well worth the 28 bucks or so to buy one.

de Steve, W8SFF

Date: Mon, 01 Feb 1999 22:42:59 -0500
From: Nick & Susan Caruso <nzc@mediaone.net>
To: jeff@jehosophat.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31731] Re: Freq Counter
Message-ID: <36B67442.5B13348D@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've got a '259, and would second what the other respondent said -- good for antenna tuning, etc., poor stability and unclean waveform (didn't look much like a sine wave on my 500MHz BW scope, whereas the old HP 608E sure does!). Freq counter works ok. Not terribly sensitive. I'm currently making do with it, but I'm shopping for a decent surplus bench counter.

For a shop signal generator, I recommend hanging around hamfests until you stumble across an old HP 608 or similar. Only runs down to 10 MHz, (at least the model I have does), but it's stable and clean and has a nice variable atten built in. Can be had for \$50 or so. Pros: cheap, versatile, built like a rock, looks cool. Cons: tubes! tubes! tubes! Plus, it's a monstrous huge old boat anchor. I'm sure there're more space efficient choices...

Jeff Davis wrote:

> Anyone have an MFJ-259B?
>
> I am curious what you think of it?
>
> Looking for a frequency counter/RF signal generator for the shack.
> Anyone have other suggestions?
>
> Thanks.
> --
> 72 de Jeff, N9AVG
> QRP-L 1640

Date: Mon, 1 Feb 1999 23:03:27 -0500
From: Joe Everhart <n2cx@voicenet.com>
To: qrp-1@Lehigh.EDU
Cc: njqrp@njqrp.org
Subject: [31732] FS Gusher 20-20 antennas
Message-ID: <199902020403.XAA75930@nss4.cc.Lehigh.EDU>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Gang,

Please pardon some blatant commercialism...

Once again I am able to supply an economy 1 lb portable dipole for 20 meters. It comes completely assembled with 35 feet of feedline and ready to use for only \$20.00 postpaid (US) or \$25.00 (foreign).

Club special - order 10 or more and get a 10% discount!

For more info contact me at

n2cx@voicenet.com

or write to

Joe Everhart, N2CX
214 New Jersey Rd
Brooklawn, NJ 08030

72/73,

Joe E., N2CX

from South Jersey y'all!

Date: Mon, 1 Feb 1999 22:24:42 -0600 (EST)
From: Jim Glover <psykey@okcforum.org>
To: qrp-1@lehigh.edu
Cc: okcham@okcforum.org
Subject: [31733] NVIS practice results

Message-ID: <199902020424.WAA18702@okcforum.org>
Content-Type: text

Mark and I had a great time with our first NVIS practice session Sunday!
For my write-up about it, see:

<http://www.qsl.net/wb5ude/nvis/19990131.html>

--Jim WB5UDE

Date: Mon, 1 Feb 1999 22:25:17 -0600
From: "Kelly Ellison" <kelman@dialnet.net>
To: <qrp-1@Lehigh.EDU>
Subject: [31734] The Last QRP++???
Message-ID: <199902020424.WAA26972@dialnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

For those interested...

I listed my QRP++ and Companion for trade. The S/N for the rig is 1605. I was contacted by someone who had the last QRP++ off the line... S/N 1608. So mine must have been one of the last off the line. I was also contacted by Mike, K6LQ who has S/N 72... how appropriate for QRP. Kind of interesting to know how many units are out there. 72,

Kelly Ellison WB0WQS Aurora, Mo. The Summit City of the Ozarks.

Date: Mon, 1 Feb 1999 20:42:01 -0800 (PST)
From: Paul Erickson <paule@sfu.ca>
To: qrp-1@lehigh.edu (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)
Subject: [31735] WTD: Heatsinks
Message-ID: <199902020442.UAA09479@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi there,

I am in need of some large heatsinks for some T0-3 devices for my power supply project. Can't seem to find what I need locally. Anyone have any spares kicking around, or know of a good source of reasonably priced pieces?

Thanks in advance.

cheers, Paul VE7CQK/email: paule@sfu.ca

Date: Mon, 01 Feb 1999 23:52:33 EST
From: Ed Loranger <we6w@juno.com>
To: russ@natworld.com
Cc: qrp-1@lehigh.edu
Subject: [31736] Feb. Spartan Sprint.
Message-ID: <19990201.205148.4775.1.we6w@juno.com>

February 1999, Spartan Sprint
Station: WE6W/Ed Loranger
Standard Exchange: RST CA 5W

Setup:
ICOM-730 at 5 Watts with external ALC control.
Powersupply to power ALC :)
ICOM Power supply :)
... Getting heavy!
Les Logan Bug...
QRP Wattmeter/Tuner.
Total weight: 6,482 Kg..... Just kidding.
I'll go with ==> 30 Lbs maximum <====

31 QSO's.

----- soapbox -----
Wow Gang! Sure was fun on 40 meters. Checked 20 M. but it was quiet..... Tooo quiet! So I meandered back to 40 and got all my qso's there. Had a few ragchews in the middle of the contest. Sure is great finding new blood.

At 15 seconds AFTER the end of the contest, I had a nice QSO with Greg/KH6/WB6FZH. He was near the ocean

in Honolulu operating 40 meters for the first time in
ages.

Now That was a great topping for an excellent desert!
Thanks ARS friends.

-Ed

72, Ed WE6W, AR Millennium QSO's=280/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 1 Feb 1999 21:47:38 -0800

From: ki6ds@dpol.k12.ca.us (Hendricks, Doug)

To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>

Subject: [31737] K5FO and NC20

MIME-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

Chuck, congrats on getting the first production NC20 on the air. By the way,
Jim is shipping about 50 per day, and he fully intended on doing it in
chronological

order, with first ordered, first shipped. But, there were several address
changes, one

day the cleaning lady inadvertantly moved the piles of boxes and rearranged the
order

and it became impossible to do. So, Jim is working through the piles and shipping
the best that he can. You have all been tremendously patient, and we appreciate
you.

Chuck, when will the finished pictures be on your web site? If you are building
the

NC20 and want to check your work, Chuck's pictures are fabulous. Thanks for
providing

this neat service to the QRP community. Chuck took the time to take some really
detailed

pictures as he built the NC20, and they are so real that I can almost smell the
solder.

I am amazed at the ability of the internet to provide information. Wonderful age
we live in.

Hey, I just about have the Winter issue of QRPP ready to send to Paul. (It is really easy, as he did 48 pages of this issue, and I did 18. Thanks to a great guy for pinch hitting for me.) You are going to love the winter issue of QRPP, as it features the 2N22/40 rig designed by Jim Kortge, with a companion article by Preston Douglas, and of course the QRP to the Field Results, Soapbox and announcement for this year's contest. Plus, Paul Harden has done a whole series of drawings showing you how to duplicate Jim's rig. They are absolutely the best that I have ever seen him do.

The Spring issue of QRPP will be a NorCal 20 issue, with an article by Dave Fifield, plus he has promised to have information on the commercial version by that issue. 72, Doug, KI6DS

Date: Mon, 1 Feb 1999 22:58:52 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: we6w@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [31738] Re: Feb. Spartan Sprint.
Message-ID: <19990201.230237.-4089053.5.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi,

Fun to be in the Sprint tonight! I even worked Jim, AL7FS! Wow! Band was kinda crazy, with lots of QSB with several PA and VE stations making it to AZ, and a bunch of buzzing noise came up about 30 minutes from the end. Luckily, it was below about 7041 KHz, so I still worked a few more Q's after I tuned a little higher up the band.

Thanks to ARS, and to all that participated. I hope to get the log in tomorrow.

Rig used:

Norcal NC40A w/KC1 at 5 watts, and indoor 40m dipole.
(That new 10 turn pot sure makes it nice!)

Piexx keyboard controller at 25 wpm.

72 to all,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Mon, 01 Feb 1999 22:55:35 -0800
From: W7LS <w7ls@blarg.net>
To: kelman@dialnet.net
Cc: qrp-l@lehigh.edu
Subject: [31739] Re: The Last QRP++???
Message-ID: <36B6A167.24A3@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi, Kelly!

Ha! Well, I used to have an original flavor QRP+ and it was
serial number ten or so. It was so old that when I described it to Bruce
at Index, he kinda jumped backwards and said it was more like a prototype
rig. Worked just fine, too.

73 de JIm, W7LS

Kelly Ellison wrote:

>
> For those interested...
>
> I listed my QRP++ and Companion for trade. The S/N for the rig is 1605. I
> was contacted by someone who had the last QRP++ off the line... S/N 1608.
> So mine must have been one of the last off the line. I was also contacted
> by Mike, K6LQ who
> has S/N 72... how appropriate for QRP. Kind of interesting to know how
> many units are out there. 72,
>
> Kelly Ellison WB0WQS Aurora, Mo. The Summit City of the Ozarks.

Date: Tue, 2 Feb 1999 01:08:44 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>

To: <qrp-1@lehigh.edu>
Subject: [31740] Wilderness SST Troubles!
Message-ID: <000101be4e7a\$df2b8320\$0100a8c0@jake>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey gang,

Wondering if any of you could help me troubleshoot my newly-built 30M SST. My problem is that output seems to be very low until I go to peak C28 - at that point, the minute I touch the cap output jumps (at least as far as I can tell on the monitoring receiver). I also notice really low background noise from the SST receiver. Is this characteristic? Any help will be greatly appreciated...TNX es 73

Nathan
KB0NNV

Date: Tue, 2 Feb 1999 00:24:50 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-1@lehigh.edu
Cc: jmedley@ix.netcom.com
Subject: [31741] FYBO "To the Border" (CO/NM)
Message-ID: <Pine.SOL.3.91.990202002000.5841B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

FYBO FROM THE COLORADO/NEW MEXICO BORDER
>From atop Raton Pass, where it better be cold!

Myself and Rich N5PSU will be driving up to 9500 foot Raton Pass on the Colorado/New Mexico border, where we'll be joining Jan, N0QT for FYBO. After flipping a coin (not all that easy to do via email), we decided to run FYBO as a multi-op using Jan's call. So listen for N0QT during FYBO, and for the OP of Jan, Rich or Paul. We will be on the state line on the summit of old Raton Pass (before they built I-25 a couple miles to the east) signing CO/NM ... which of course gives you two points for the contact. Right Joe?

This all started a few weeks ago when I was in Denver for the CQC meeting

discussing FYBO plans. It was suggested having a multi-op where a couple of us from NM could meet half-way to Denver ... since the local joke is NM is just Baja Colorado anyway. Of course that IS appealing, since it's been in the 50-60's throughout the west. So we decided on Raton Pass (pronounced Rah-TONE, or "rat" in Spanish) as a near half-way point and a chance for temps at least in the 30's, and just happens to be on the state line as well.

Turns out Rich (who also works in the IF-LO lab at the VLA) sister lives in Raton, as does Jay WA5WHN's sister ... so we have plenty of local guide service and hospitality offered to us, so should be fun.

Hope it's cold, and hope to work plenty of you when it's my turn at the helm.

72, Paul NA5N

Date: Tue, 2 Feb 1999 02:24:49 EST
From: N7YA@aol.com
To: ham-radio-history@egroups.com, qrp-1@lehigh.edu, lowpowerdx@egroups.com
Subject: [31742] Yagi Uda...
Message-ID: <1b4d9b30.36b6a841@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Thanks to all the well-meaning folks for pointing out this mistake....i goofed! Yagi and Uda were two different people...not one!! i was taught early on (by someone else who was obviously also wrong) that the mans name was Yagi Uda, so i just thought.....

well, at least i like pie cuz i have a face full now. :-)

73...Adam, N7YA

Date: Tue, 02 Feb 1999 04:00:27 -0500
From: Bill Robbins <billrobb@net-link.net>
To: qrp-1@Lehigh.EDU
Subject: [31743] WTB: NC20
Message-ID: <3.0.6.32.19990202040027.008d6140@serv01.net-link.net>

Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

OK, OK I know the chances are slim. Anyone out there want to sell their brand new unassembled kit? Please....

Bill
Heathkit Collector

WA8CDU formerly WN8CDU

Date: Tue, 02 Feb 1999 01:27:01 -0800
From: David Fifield <fifield@pacbell.net>
To: adams@ticnet.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31744] Re: NC20 Status de K5FO
Message-ID: <36B6C4E5.20649DDB@pacbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Chuck,

Glad to hear you are having so much fun building the NC20. Hope you like the way it "plays" on-air too.

I have compiled an excel spreadsheet that lists the small electronic parts by circuit reference in order. This will help people who want to check off parts on a list as they solder them in. I have put the file up on my website. It's the first item on my NC20 web page at:

<http://home.pacbell.net/fifield/NC20.html>

Hope all the NorCal 20 constructors are having fun out there.
72 fer now, Dave Fifield, AD6A

Chuck wrote:

(snip)

>

> The most important thing that you can do when building this kit
> for the 500 in the first round (and the only round unless someone
> picks up the commercial rights from Dave) is to take a typing page.

> At the first of each section list the part numbers, one per line.
> Then go to the parts list in the appendix and write beside each
> one the value, the color codes if it is a resistor, etc. Pictures if
> you need them.

Date: Tue, 02 Feb 1999 10:04:49 -0800
From: dave.g0dja@psilink.co.uk (David J. Ackrill)
To: qrp-l@lehigh.edu
Subject: [31745] Spartan Sprint Report - February 1999
Message-ID: <E107cfy-0004A1-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, I did listen around at 02:00, and even heard some US stations!

But, didn't manage to work any of them. Most seemed to be QRO Ops.

Anyway, for those interested, here's a quick report.

Since Channel 5 were showing highlights of Superbowl XXXIII, I watched that until gone 2am, I'd already got the rig on and tuned the aerial ready.

I found a couple of problems straight away. 40M was the best band for the States at that time, in fact there was nothing that I could hear on 80M or 20M at all, but 7.040 MHz is a bit high over here. As the 40M band is only from 7.000 to 7.100 MHz over here, then 040 is very close to the Phone end of the band. I also had that 'C' beacon blasting away on 7.038 MHz.

However, I managed to copy the following US stations;

N2RER on 7.045 at 02:29
KA1GW, Jeff in Boston, on 7.030 MHz (the more normal QRP frequency in Europe)
W1CAZ
W1IKU on 7.034 MHz at 03:06
W9GRE working W4YAJ (both audible here) on 7.031 MHz at 03:28
and a station, whos call I couldn't catch, in Indianapolis (the band seemed to fade as he sent his call after sending the QTH in full - HI!)

There seemed to be a lot of atmospheric noise on 7.040 Mhz and I got no reply to CQ calls, nor could I catch the attention of any of the above stations, even when they were calling CQ.

My station was very 'Tubby', being my Kenwood TS850S with the power set to 3 Watts, Bencher key and an old Z-Match ASTU in the garage feeding a doublet.

Maybe next time I'll take my portable Yeasu FT70G out and see if I can put

up a better antenna somewhere. Is taking a mobile shack allowed, or would I have to add the weight of it to my station? :o)

But, getting to bed at 4am on a week day evening is not recommended, unless you book a holiday for the next day HI!

I think I'd better get some work done now.....

Cheers de Dave (G0DJA)

Date: Tue, 2 Feb 1999 04:46:26 -0600
From: "Mike Martin" <mmartin@internetni.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31746] Digital Displays - Help!
Message-ID: <008d01be4e99\$493f4a80\$6e9de3cf@default>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I really need help on this one, so I'm posting the question again.

Has anyone on the list been successful in building or finding an after market digital display that works with the MFJ-9420, 9440, 9406 series rigs?

73's,

Mike KA9LYY

Date: Tue, 02 Feb 1999 12:17:13 -0800
From: dave.g0dja@psilink.co.uk (David J. Ackrill)
To: qrp-l@lehigh.edu
Cc: qrp-canada@lists.gpfn.sk.ca
Subject: [31747] Fox Hunts
Message-ID: <E107ek0-00028b-00@relay2.mail.uk.psi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I know that a few of us discussed holding Fox Hunts in the UK/Europe, but I don't remember anything coming of it, so I'm proposing to start one off just to see if anyone is interested.

So, next Monday evening from 19:30z to 20:00z I intend to operate using 3 Watts to a doublet, on a frequency somewhere around 7.030 MHz.

I'll post a list of those I work or hear on GQRP-L, QRP-L and QRP-C after 20:00z.

Cheers de Dave (G0DJA)

Date: Tue, 2 Feb 1999 07:18:55 -0500 (EST)
From: "L. B. Cebik" <cebik@utkux.utcc.utk.edu>
To: N7YA@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31748] Re: Yagi Uda...
Message-ID: <Pine.GS0.3.96.990202070700.20186F-100000@moe.cas.utk.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Actually, Uda made the initial discoveries. Then Yagi and Uda teamed up for a number of papers. Since Yagi has the superior academic ranking, his name appeared first on the joint ventures. Later, in the slippage of time, the antenna type was shortened to Yagi, although we might as easily call it the Uda. The original papers are interesting (at least in translation) and likely deserve reprinting for historical interest. It may be futile to try to change the name of the antenna type to compensate for an old slight, but I hope we remember the names in tandem to ensure the joint credit. Although a lot of empirical work was done over the years with due credit to a lot of folks, Jim Lawson's work is essential to understanding the change in the way we approach Yagis (Yagi-Udas, that is). It helps one understand the optimizing programs like YO and Yagi-Max. Modeling ham designs from the 50s and early 60s gives one an understanding of why excessive claims were made for what we now know as modest performers, like the ZL Special, HB9CV, and the like--parasitical designs were poor in reality although max theoretical performance was claimed--hence, the alternatives--when they worked--outperformed the parasitics and were claimed to be better--even better than theory would allow.

The history of beams is filled with some interesting twists and turns.

LB, W4RNL

Date: Tue, 2 Feb 1999 07:39:57 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "_Nogaqrp_List (E-mail)" <nogaqrp@qth.net>, "Qrp1_Submit (E-mail)" <qrp-1@Lehigh.EDU>
Subject: [31749] ARS Feb Spartan Sprint
Message-ID: <21E06269B00ED111BE9B00805F6D0FA3628CBF@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I had a great time last night on the Spartan Sprint. This is the best short recurring contest of all. I'm not too serious with it but it's a great way to quickly check out a station change with a lot of stations across the country with the RST and power info. Last night I used my old HW-9 and the same old end-fed wire I've been using for years. 40 meters was popping but 80 and 20 were quiet. At about 30 minutes into the 2 hour event I heard a 599 CL2 station(Havana) so dropped out to QSO with him. Where else can you have that much fun in 30 minutes or so every month? See you next time.

Sam Billingsley AE4GX Atlanta, GA ARS # 269

Date: Tue, 2 Feb 1999 07:48:14 -0500
From: Barry J Minsky <w2bj@juno.com>
To: mmartin@internetni.com
Cc: qrp-1@Lehigh.EDU
Subject: [31750] Re: Digital Displays - Help!
Message-ID: <19990202.074854.-159103.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Check with OHR (Oak Hills Research). Their DD-1 works well.

On Tue, 2 Feb 1999 04:46:26 -0600 "Mike Martin" <mmartin@internetni.com> writes:

>I really need help on this one, so I'm posting the question again.

>

>Has anyone on the list been successful in building or finding an
>after
>market digital
>display that works with the MFJ-9420, 9440, 9406 series rigs?
>
>73's,
>
>Mike KA9LYY
>
>
>

72/73,

Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure
Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723
Amateur Radio Missionary Service

Date: Tue, 2 Feb 1999 09:53:42 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [31751] Bad day, good day...
Message-ID: <Pine.LNX.3.93.990202094332.431B-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I had the day off yesterday (unplanned) since we went away over the weekend and the water heater "cried" itself to sleep after we left. Just a bad valve, but a big mess.

While I was cleaning up, the front door opened and the mailman unceremoniously "plopped" a priority mail box in the foyer. YES!!! "it" was here:) Needless to say all work on the water heater stopped and the kit was inventoried. All present and accounted for, sir! So I'll be getting to that later tonight.

I did work AH7R from the mobile on 21.058 saturday. All he got the first time was ?/M, but it was enough! Only four to go for WAS. (do any hams live in Montana?) Hope to get the NC20 on the air for FYBO, but don't know if I'll make it. It's the first kit I've ever read the instructions before starting, I'll have to see if that works:)

Fine job Doug, Dave, Paul, et al. It was *definitely* worth the wait. Doug, I have an extra diode and two extra caps, want 'em back?

72

```
-- Chris Cartwright,   Technical Engineer   |       ccart@vidtel.com       --
-- N3XRV      ARRL-VE   Norcal Zombie #163   |   Gaithersburg, MD FM19je   --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --
```

Date: Tue, 2 Feb 1999 07:48:37 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [31752] Thanks
Message-ID: <199902021348.HAA18933x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Thank you to all who helped explain QSK to me! I have determined that a HTX-100 is definately _not_ QSK <grin>.

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org |   Reserve Patrol Captain   |
| Satellite: Mir R0MIR-1, A0-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet|   QTH Birmingham, AL USA   |
*-----*
```

Date: Tue, 2 Feb 1999 08:49:25 -0500
From: wa8jpr@juno.com
To: qrp-1@Lehigh.EDU
Subject: [31753] Emtech QRP Tranceiver kits
Message-ID: <19990202.084930.-1047563.0.WA8JPR@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Has anyone built or tried any of the Emtech kits.
I built a ZM-2 and am very happy with it and thought
I might be interested in building one of the 30 meter

rigs. Thoughts?

72, 73

Bill, WA8JPR

PS Emtech has a price list on their web site (<http://entech.steadynet.com>) and are listing the replacement polycaps for the ZM-2 @ 3.00 each.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 06:50:03 -0700
From: "Steve/n0tu" <n0tu@webaccess.net>
To: <pharden@aoc.nrao.edu>
Cc: "QRP-L" <QRP-L@lehigh.edu>, "CQCList" <CQCLIST@MTECHNOLOGIES.COM>
Subject: [31754] Re: FYBO "To the Border" (CO/NM)
Message-ID: <000a01be4eb2\$fc63f60\$93a8a3cc@S&P.www.webaccess.net>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Paul,

You'll a little ways over the horzion from us ...80m might be the ticket.

What bands will you be on? 2 points eh?

Mt. Herman's Frozen Hermits (ab0go/Dave & n0tu/Steve) FYBO'99

-----Original Message-----

From: Paul Harden <pharden@aoc.nrao.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, February 02, 1999 12:15 AM
Subject: FYBO "To the Border" (CO/NM)

>
>FYBO FROM THE COLORADO/NEW MEXICO BORDER
>>From atop Raton Pass, where it better be cold!

>-----
>

>Myself and Rich N5PSU will be driving up to 9500 foot Raton Pass on
>the Colorado/New Mexico border, where we'll be joining Jan, N0QT for
>FYB0. After flipping a coin (not all that easy to do via email), we
>decided to run FYB0 as a multi-op using Jan's call. So listen for
>N0QT during FYB0, and for the OP of Jan, Rich or Paul. We will be on
>the state line on the summit of old Raton Pass (before they built
>I-25 a couple miles to the east) signing CO/NM ... which of course
>gives you two points for the contact. Right Joe?

>

>This all started a few weeks ago when I was in Denver for the CQC
meeting

>discussing FYB0 plans. It was suggested having a multi-op where a
couple

>of us from NM could meet half-way to Denver ... since the local joke
is

>NM is just Baja Colorado anyway. Of course that IS appealing, since
it's

>been in the 50-60's throughout the west. So we decided on Raton Pass

>(pronounced Rah-TONE, or "rat" in Spanish) as a near half-way point
and

>a chance for temps at least in the 30's, and just happens to be on
the

>state line as well.

>

>Turns out Rich (who also works in the IF-L0 lab at the VLA) sister

>lives in Raton, as does Jay WA5WHN's sister ... so we have plenty of

>local guide service and hospitality offered to us, so should be fun.

>

>Hope it's cold, and hope to work plenty of you when it's my turn at

>the helm.

>

>72, Paul NA5N

>

>

>

>

>

Date: Tue, 2 Feb 1999 06:52:01 -0700

From: "Steve/n0tu" <n0tu@webaccess.net>

To: <pharden@aoc.nrao.edu>

Cc: "QRP-L" <QRP-L@lehigh.edu>, "CQClist" <CQClist@MTECHNOLOGIES.COM>

Subject: [31755] Re: FYB0 "To the Border" (CO/NM)

Message-ID: <000d01be4eb3\$3e6261a0\$93a8a3cc@S&P.www.webaccess.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey Paul,

You're a little ways over the horzion from us ...80m might be the ticket. What bands will you be on? 2 points eh?

Mt. Herman's Frozen Hermits (ab0go/Dave & n0tu/Steve) FYBO'99

-----Original Message-----

From: Paul Harden <pharden@aoc.nrao.edu>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Date: Tuesday, February 02, 1999 12:15 AM
Subject: FYBO "To the Border" (CO/NM)

>

>FYBO FROM THE COLORADO/NEW MEXICO BORDER

>>From atop Raton Pass, where it better be cold!

>-----

>

>Myself and Rich N5PSU will be driving up to 9500 foot Raton Pass on
>the Colorado/New Mexico border, where we'll be joining Jan, N0QT for
>FYBO. After flipping a coin (not all that easy to do via email), we
>decided to run FYBO as a multi-op using Jan's call. So listen for
>N0QT during FYBO, and for the OP of Jan, Rich or Paul. We will be on
>the state line on the summit of old Raton Pass (before they built
>I-25 a couple miles to the east) signing CO/NM ... which of course
>gives you two points for the contact. Right Joe?

>

>This all started a few weeks ago when I was in Denver for the CQC
meeting

>discussing FYBO plans. It was suggested having a multi-op where a
couple

>of us from NM could meet half-way to Denver ... since the local joke
is

>NM is just Baja Colorado anyway. Of course that IS appealing, since
it's

>been in the 50-60's throughout the west. So we decided on Raton Pass
>(pronounced Rah-TONE, or "rat" in Spanish) as a near half-way point
and

>a chance for temps at least in the 30's, and just happens to be on
the

>state line as well.

>
>Turns out Rich (who also works in the IF-L0 lab at the VLA) sister
>lives in Raton, as does Jay WA5WHN's sister ... so we have plenty of
>local guide service and hospitality offered to us, so should be fun.
>
>Hope it's cold, and hope to work plenty of you when it's my turn at
>the helm.
>
>72, Paul NA5N
>
>
>
>

Date: Tue, 02 Feb 1999 22:52:55 +0900
From: jn2amr@a1.mbn.or.jp
To: qrp-1@Lehigh.EDU
Subject: [31756] RC5051M
Message-ID: <199902021352.WAA25333@a1.mbn.or.jp>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello all,

I want DC DC Converter Raytheon RC5051M(flat package).
I would like to know a reseller's name or an acquisition way.

Thanks in advance.

Yasuo Itoh(JN2AMR)
Nagoya, Japan
jn2amr@a1.mbn.or.jp

Date: Tue, 02 Feb 1999 06:55:36 +0000
From: Bob Hightower <ki7mn@extremezone.com>
To: qrp-1@lehigh.edu
Subject: [31757] NC20, K2

Message-ID: <199902021355.GAA13930@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Chuck has put some beautiful pictures of his NC-20 on his page. Quite a piece of work, and makes me wish I had ordered one. Oh, well. BUT, I'd really like to see someone do the same with the K-2, in progress. Don't wait to finish it, just post the pics as you progress. I know there are lots of us that want to see them.

Heck, if you don't have a web page, and do have pics, I'll give them a home with full credit to you :^). How 'bout it?

72,73

Bob Hightower KI7MN Chandler, AZ DM43BI

<http://www.extremezone.com/~ki7mn>

Date: Tue, 2 Feb 1999 06:33:30 -0700
From: Neil Klagge <w0yse@juno.com>
To: qrp-l@Lehigh.EDU
Subject: [31758] Fw: Re: Any relayless QSK rigs out there?
Message-ID: <19990202.065816.-226395.0.w0yse@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Here is an interesting response that I got from Jeff, AC4HF, that I thought some of you might want to read. My thanks to Jeff for taking the time to relate his experiences with the problem of relays in rigs.

72 , Neil, w0yse (Y-guy #3), a QRP-L digest reader.
Now using only solar power for QRP <><

----- Forwarded message follows -----

From: "Jeff M. Gold" <JGold@tntech.edu>
To: w0yse@juno.com
Date: Mon, 01 Feb 1999 13:26:22 -0600
Subject: Re: Any relayless QSK rigs out there?
Message-ID: <00cc01be4e18\$c03c1fe0\$4d0b9595@cc.tntech.edu>

Neil,

Conard Murray (WS4S) forwarded me your request. He knows how much I hate relays. I have purchased many a rig only to sell it the next week.

Recently

I purchased a really nice Kenwood 570D loved most of it, but couldn't stand

the relay.. no one else even heard them :*) I am on my second knwd 850 and

it has a very quiet relay, but a relay none the less. I even sold my original Knwd 850 which worked great, had a computer interface and both types of extra crystal filters to get a Ten Tec Omni VI. I had a Ten Tec collection.. Ten Tec best name in CW rigs with Great quiet non-relay QSK. Boy was I shocked to find 2 kinds of relays. One for the linear.. which can

be disabled and one for CW changeover.. have to live with. Once again quiet, but no cigar.

I build most of the QRP CW kits out there, all the modern ones are diode switched and love them. Had a Ten Tec Argosy II for quite a while, either QRP or 0-50 watts level, great no relay switching. Heard how great the Corsairs are for CW. Waited about 5 years.. finally found a Corsair I recently.. reported to be better on CW than the II. Got it in the mail, hooked all of it up. transmitted and low and behold.. a relay. about flip my

stack, broke into tears, set up an appointment for psychotherapy. Looked at

the schematic.. the relay was only for an external linear, no apparent easy

way to disable. Got on the QRP-L list.. bunch of very smart people. 2 minutes later came back some very easy instructions on how to clip the base

of the transistor that activates the relays..easy to tack solder back if rig

is to be sold. Took less than 5 minutes including removing and replacing case. No more relays.. love the rig,.. no computer stuff, but digital display, very easy to use, fantastic receiver, works great for both CW and SSB.

In my car I run a Yaesu FT900.. the main part of the rig is in trunk, so I don't hear any relays.. works fantastically.

73

Jeff, AC4HF

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 02 Feb 1999 09:00 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: QRP-L@lehigh.edu
Subject: [31759] Re: WTD: Heatsinks
Message-ID: <19990202140230.UYHM28868@[166.32.177.21]>

Paul,
I suppose everyone knows about ALL Electronics....
1800-826-5432

The have free catalogs full of inexpensive parts.
I see hs-22 4.74 X 3 X 1.85 for \$4.50 each.
I think they were made for diodes, but you could drill the holes you
need. They have to3 mounting kits also for \$.75 or 50 for \$25.00.

Marlin P Jones (1800-652-6733) also has a free catalog and great prices.
They have a real nice giant clip on heat sink for to218 type devices
that looks like it would love to cool someones final! \$.95

They have a small to3 heat sink for \$.35 1 3/4 square by 1 1/2 inches
high....#7951-hs

I use these places for automotive relays for the Jaguar.
Jaguar wants \$20.00 for a relay, and I get better ones for \$1.00!

Brett
N2DTS

Date: Tue, 02 Feb 1999 07:06:40 -0700
From: Jeff Johnson <jeff@san-dc.com>
To: "qrp-l@Lehigh.EDU" <qrp-l@Lehigh.EDU>
Subject: [31760] Heathkit hw-7 Schematic
Message-ID: <3.0.32.19990202070636.011c4a90@pop3.san-dc.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Thank you everyone for your quick response! I've received several offers, so no need for anyone new to respond. I really appreciate the responses!

Thank you,

<Anyone know how I can get my hands on a schematic for a Heathkit hw-7 QRP transceiver?

Jeff Johnson

KJ7LO

AZ ScQRPions, QRP-1 1739, ICQ 213663

Phoenix, Arizona

Date: Tue, 02 Feb 1999 09:13 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: wa8jpr@juno.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31761] Re: Emtech QRP Tranceiver kits
Message-ID: <19990202141605.EWGM8311@localhost>

Bill,

I ordered one a few days ago.

I did a lot of digging and asking, and it seems like the emtech is a VERY good kit for the money(not much!).

It sure looks nice, and nobody who had one said anything bad about it.....

Brett

N2DTS

.....
Date: Tue, 2 Feb 1999 08:49:25 -0500
Reply-To: wa8jpr@juno.com
Sender: owner-qrp-1@Lehigh.EDU
From: wa8jpr@juno.com
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: Emtech QRP Tranceiver kits

Has anyone built or tried any of the Emtech kits.

I built a ZM-2 and am very happy with it and thought I might be interested in building one of the 30 meter rigs. Thoughts?

72, 73
Bill, WA8JPR

PS Emtech has a price list on their web site (<http://entech.steadynet.com>)
and are listing the
replacemet polycaps for the ZM-2 @ 3.00 each.

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 02 Feb 1999 07:44:53 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: pharden@aoc.nrao.edu
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31762] Re: FYBO "To the Border" (CO/NM)
Message-ID: <36B6ACF5.B8EB6F7A@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I thought the Border ops were just for QRPTTF. Did I miss a post?

--
72/73, de Roger, N7KT - QRP-L #62 - Zombie #006 - Mesa, AZ

Date: Tue, 02 Feb 1999 07:50:04 -0700
From: KORWC <rwc@frii.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31763] Re: Emtech QRP Tranceiver kits
Message-ID: <3.0.5.32.19990202075004.00847b90@mail.frii.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 09:13 AM 2/2/99 -0500, Brett Gazdzinski wrote:
>Bill,
>I ordered one a few days ago.
>I did a lot of digging and asking,

Do the Emtech Rigs have an RF gain control or AGC circuitry?

72/3 KORWC
Rod Cerkoney, QRP-L #1764.
Fort Collins, CO
da di dah

Date: Tue, 2 Feb 1999 09:56:40 -0500
From: DNT1@daimlerchrysler.com
To: jeffj@scott.net
Cc: qrp-l@Lehigh.EDU
Subject: [31764] Re: QSK & Q?
Message-ID: <0525670C.00521D37.00@lngodd02.notes.chrysler.com>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Jeff wrote:

> On an unrelated note.... I find it ironic that I finally am really excited
> about CW and learning the proper way to send and receive only to see it
> disappear from the maritime service today <sigh>. I hope it wasn't me that
> made that happen <grin>.
>
> 73 Everybody! Jeff W4JEF

Just wait until the next time the satellites glitch, we'll see how thrilled the powers that be are with their new system then. Remember last year when the world stopped communicating pager-wise for a bit? Let's just hope that no life-threatening emergencies happen when the glitch occurs (after all, the law of averages says it will occur; it's just a matter of time!)... I hope we're all ready to step in & pick up the pieces when that occurs so that nobody gets hurt/killed!

72,

Don T. AI4CW QRP-L#1670 Toney, AL

Date: Tue, 2 Feb 1999 09:09:32 -0600
From: "Nathan Odle" <nodle01@mail.coin.missouri.edu>
To: <qrp-l@lehigh.edu>
Subject: [31765] WTB: Decent Paddle
Message-ID: <000701be4ebe\$09d59e60\$8dc9ce80@nathan.missouri.edu>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey all,

Looking for a decent paddle. Hoped to pick one up at Winterfest last weekend, but no luck. Email me direct if you have anything for sale / trade.

Nathan
KB0NNV

Date: Tue, 02 Feb 1999 08:23:25 -0700
From: John Evans - N0HJ <jaevans@codenet.net>
To: qrp-1@lehigh.edu
Subject: [31766] In Search Of: Power consumption for rigs
Message-ID: <36B7186D.CF7C266B@codenet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings,

I posted a request for this table that I vaguely remembered eons ago and received no replies. Well, I started to get a bit obsessed with finding out this info, so last night I began a cleanup surge in my basement (where the bench and shack are located) and finally came across a hardcopy of what I was looking for.

The original was titled "Battery Analysis from WA7SSA" and was originally posted on the ARS website.

Basically, I was wrong about the table. The table originally was based upon the Norcal 40 and listed various types of batteries and their chemistry, size, volts/cell, price each, capacity, weight, and source.

I could retype the data again if no other steps forward with softcopy, but the author, WA7SSA, may have updated the info or may be in the process of updating it to include other batteries and rigs.

How 'bout it ?!!!

72 - john - n0hj

John A. Evans, N0HJ Chief Systems Administrator
Office: (719) 528-1800 x164 Titan Software Systems
Fax: (719) 528-1888 1115 Elkton Drive, Suite 200
email: jaevans@cos.cst.titan.com Colorado Springs, CO 80907-3535

Norcal #262 QRP-L #219 QRP-ARCI #8303 NE-QRP #213 CQC #045
CQrp #15 NJ-QRP #50 AK-QRP #52 NW-QRP #454 FISTS #3184
Personal Web Page: <http://www.geocities.com/capecanaveral/9773/>

Date: Tue, 02 Feb 1999 10:35:59 EST
From: Ed Loranger <we6w@juno.com>
To: ccart@dns.vidtel.com
Cc: qrp-l@Lehigh.EDU
Subject: [31767] Re: Bad day, good day...
Message-ID: <19990202.073514.4903.7.we6w@juno.com>

On Tue, 2 Feb 1999 09:53:42 -0500 (EST) Chris Cartwright
<ccart@dns.vidtel.com> writes:
<snip>
> Only four to go for WAS. (do any hams live in Montana?)

FB on getting the kit Chris!!

hey, I've worked Roy/AB7CE so many times I can't recall.
It is always in the morning and both of us getting ready
for work.

In fact, just got off the air with him today!!!

So if you are up between 0430 and 0500 Eastern time, you
should hear him once in awhile.

Butte Montana. (I've been there many times too.)
72, Ed WE6W, AR Millennium QSO's=282/2000
<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA
QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>

or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 08:46:26 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)
To: N7YA@aol.com, qrp-1@lehigh.edu
Subject: [31768] Re: Yagi Uda...
Message-ID: <199902021546.IAA19275@rgfn.epcc.edu>

As I understand it, from an article in QST many years ago, Mr. Uda developed the concept of the antenna but spoke only Japanese while Mr. Yagi, who had helped him did speak and write in English. So he wrote the antenna up for the Proceedings of the IRE and to this day continues to be credited as the developer of the parasitic beam antenna.

Calls for your list:

Bob Gundarson of New York - W2JIO

Frank Lester - W2AMJ/W4AMJ

Bill Halligan was originally W9AC, and when SK was a W4

Frank Jones - W6AJF

Andy Devine - WB6RER (Red Eyed Rooster)

Walter Cronkite - KB2GSD

Gen Butch Griswold - K0GRC

Gen. Lemay was a W6 but don't remember exact call now- maybe EZA but can't say for sure now.

I think Alvino Rey was W6AR - used to live in Camarillo, Ca.

My personal Elmers in Tifton, GA mid 1950's K4BMD Gene Jones and W4ENC Elmer Beck. Both help a lot of young people get their licenses. 73 and I appreciate your efforts with the celebrity list.

Ray

--
Ray Colbert, W5XE
00TC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Tue, 02 Feb 1999 11:13:02 EST
From: Ed Loranger <we6w@juno.com>
To: we6w@juno.com
Cc: qrp-1@Lehigh.EDU
Subject: [31769] Re: Bad day, good day...
Message-ID: <19990202.081212.4903.9.we6w@juno.com>

On Tue, 02 Feb 1999 10:35:59 EST Ed Loranger <we6w@Juno.Com> writes:

>

>

>On Tue, 2 Feb 1999 09:53:42 -0500 (EST) Chris Cartwright

><ccart@dns.vidtel.com> writes:

><snip>

>> Only four to go for WAS. (do any hams live in Montana?)

>

>FB on getting the kit Chris!!

>

>hey, I've worked Roy/AB7CE so many times I can't recall.

>It is always in the morning and both of us getting ready

>for work.

>

>In fact, just got off the air with him today!!!

>

>So if you are up between 0430 and 0500 Eastern time, you

>should hear him once in awhile.

00PS! Should be: 1430 to 1500 UTC. OR 9:30 -10AM ET.

That is on 7040 KHz.....

SRI. -Ed

>

>Butte Montana. (I've been there many times too.)

72, Ed WE6W, AR Millennium QSO's=282/2000

<http://www.qsl.net/we6w> Radio, everyday in Santa Rosa, CA

QRP-L#1068 AR#112 QRP-Z#106 ARCI:9397 Norcal#2227 QAA#006

You don't need to buy Internet access to use free Internet e-mail.

Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>

or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 02 Feb 99 10:23:03 -0500

From: Chuck Adams <adams@ticnet.com>

To: qrp <qrp-l@lehigh.edu>

Subject: [31770] NC20 questions that I got

Message-ID: <E107iYl-0002lh-00@smtp.ticnet.com>

Gang,

Thanks for all the email and comments.

1. I take all my pictures with a Epson PhotoPC camera. The camera is about 3 years old and I have done all my photos with it that you see on the web page, both past, present, and future. It generates .jpg images which I download to a TI laptop and then over to the web page. This makes the process fast and clean. It uses standard 37mm lens attachments and I have a series of 3 lens that vary the focal length down to about 12cm or so for the real closeups. The only reason that they come out as good as they do is the Epson camera. It surely isn't my ability as a photographer. :-)

The camera does not have a square viewing screen so sometimes I miss the focus or the area of interest is slightly off center and if I feel inclined I redo it otherwise it is what you see is what you gets....

2. On the 10T turn pot. This is one that I got from the QRP-L group buy. Now hind site is 20/20 every time. When I installed it I played with the configuration and was more concerned on getting the front panel on at 90 degrees so I missed the cover up for the two holes for the resistor just behind it, but it came out just fine mounted underneath as Dave left room with the case to have a small family of critters living in the basement. :-)

This is the first rig of all that I have to have a 10T pot for tuning. Glad I did it this way. You get 30KHz with the pot supplied but I get 84KHz with the 10T pot. And I put the AFA in auto mode so that I get the freq in morse everytime I stop and beeps every 1KHz unless I'm tuning fast.

3. The pictures will stay on the web space until I run out of space, so that will be some time and they will be on the QRP-L CDRom starting from today on.

4. I chose the 0.1" headers and Berg connectors to jumper the AFA options. That is what the two strange blue critters are up next to the 10T pot on its RHS facing the front panel.

5. I'll put front and rear facing photos on the web sometime today showing the assembled product. I assumed that these would be boring photos, but did get questions.

6. Thanks for all the email on debugging techniques. For me debugging is a series of steps to trace one or more problems. It first requires

some understanding and reading of schematics. Follow the path of the signal or control lines from the source to the destination or the reverse. You know the problem has to be there. Rarely will something else cross a boundary unless it is a solder bridge and if you are following the path you'll locate that problem also.

A 8X magnifier of sometime is a must for this kit and most kits anyway, no matter how young your eyes are. :-) Things are closely spaced everywhere.

When you first complete the receiver it may scare you that you don't hear anything. Peak the trimmer caps before you give up and think you have a problem.

For those of you that are just now getting your kits. You are gonna like this one. Take note of all the postings for hints and kinks.

I guess this business of kit building and experimenting is like exploring. There are the first ones that get to fall into all the pits and holes and send back warnings or information about things to watch for, both good and bad. Then the rest of the explorers have a guidebook to help them prevent the same mistakes (well, in most cases :-)) and maybe even do the job better and neater.

Thanks to Dave Fifield, AD6A, for the design work and being the lead explorer. Thanks to Doug Hendricks and Jim Cates for all the hard work and all the hours of devotion and dedication to the workings of NorCal. And to all the beta testers for their feedback and work that made the final NC20 rig what it is today.

Dave, AD6A, taught me two things. 1. How to drive on the left hand side of the road. :-) Well, I never thought that I'd have to wind toroids with one winding in one direction and then another link in the opposite direction, but it does work. I'm sure the digital photos in the manual will help a lot of folks and everyone building pay attention. The toroid section is a gem. You'll note how evenly spaced mine are in the photos. That comes from having wound a bunch in my lifetime. :-) Take your time and think about what you are doing. People complain and whine about winding toroids. I personally like it as it is about the only component in the kit that you get to hand assemble. :-) The others you just stick legs into holes and melt solder.

2. It took me two toroids to finally catch onto the trick of melting the insulation off the fancy wire used here. :-) I think OHR had the wire in one kit also, but I just used the old #11 Exacto (tm) blade and scraped the insulation off. But back to melting - I start

on the inside close to the toroid and get the wire hot and a glob (TX talk for relatively large amount) of solder to cover the lower half until it melts then add solder to cover the wire and then very slowly move towards the end of the wire. The gunk (TX talk for mess) moves ahead of the glob of solder and doesn't wind up on the final windings. :-) Using a clothespin to hold things steady helps. Don't burn yourself here.

OK that's it. I'll let the rest of the builders add to the thread as they come along the path. It is my sincere hope that what I did here helps in some small way with the others. I'm sure there will be lots of questions and answers. The experienced builders will really enjoy the work. The newbies will have to be sure to take lots of time as there is a lot to learn, so just don't get in a hurry.

The most important thing that I think that I can and have emphasize is to take your time and enjoy the building. I know we all get anxious to get on the air with it, but if it doesn't work then you'll spend a lot more time debugging and the total time will still be up there high. Not to mention the loss of a part or two if you fry (TX talk for destroy) them.

OH, one thing that I need help on and now that I think about it here is another hint. You might consider putting in X6 and X7 very early while there is room around them. Here is why. You need room to solder the grounding wire and you won't have it if the parts around them are already in.

I have not figured out a neat installation technique for the grounding wires to the crystals. Mine are still ungrounded. I wanted to bend a lead wire in a kinda S-shape to solder to the base side of the crystals and then to ground to make a neat installation. But I think I will just go with soldering to the top of the case like I've always done. It works. In fact, today I'll get back on the Elmer205 series now that people have had time to work on the quiz and give the results. We'll later talk about what grounding crystal cases really really does in the physics of filters and response factors of crystals.

I have waited this long before grounding the crystal cases as I wanted to experiment on a before and after scenario and see just how much difference it makes.

Only other mistake in manual that I can think of is that when you got to align the transmitter offset the "dah" paddle is the one that turns off the sidetone on the Tick keyer.

Lastly, my paddle problem came back. The stereo jack comes out with a vengeance.

If you guys and girls think back 5 or more years ago before QRP-L came along. When a new kit came out, what did people do to get information back and forth? Phone calls (expense) and snail mail (time and more expense). Now the Internet is not for free, but it sure gets the cost down and speed up on getting an exchange going. Anyone wanna go back to the olden days? Some do that can't handle the large number of emails, but I think that the overload situation is probably better than no or little information. IMNO. This group stays the way it is until Jim, N3VXI, says different. It's his system that the mail reflector is running on.

See ya on the air. I'll be there around 14.060 or so and let's use the area and move the QRM away. :-) Look for the weak one, that'll be me....

dit dit es tnx

--

Chuck Adams K5FO adams@ticnet.com CP-60
<http://www.ticnet.com/k5fo>

Date: Tue, 02 Feb 1999 11:19 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: KORWC <rwc@frii.com>, QRP-L@lehigh.edu
Subject: [31771] Re: Emtech QRP Transceiver kits
Message-ID: <19990202162119.FTKU8311@localhost>

Rod,
I don't think they have an rf gain control, I don't know about the agc. They are supposed to work very well on rx per some replies I received.

It might be a hard kit to build if you are not up on electronics.
I may look to add an RF gain....how hard could that be?

I think any kit is easy, at the biggest pain in the butt for me is the parts accumulation and hole drilling, panel labeling.

I have also heard mention that most of the qrp rigs have noisy audio amps, and may try changing the audio to discrete transistors(remember them?).

Maybe some sort of semi fi hi fi circuitry

there is some interesting info at...

[HTTP://w4atc.ncsu.edu/qrp.html](http://w4atc.ncsu.edu/qrp.html)

It has comparisons and opinions from lots of builders.

Brett

N2DTS

Date: Tue, 2 Feb 1999 10:29:04 -0600
From: "K10J" <k1oj@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31772] Ameco Preamp
Message-ID: <001201be4ec9\$27455200\$210dc1cf@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy from Texas Y'all....

Anyone having any information on the old Ameco PT3 ? preamps used on 160m
please contact me.

Thank You.....

OJ---K10J

dit dit

..

Date: Tue, 02 Feb 1999 11:25 -0500 (EST)
From: Brett Gazdzinski <Brett.Gazdzinski@mci.com>
To: QRP-L@lehigh.edu
Subject: [31773] Some new hobby!
Message-ID: <19990202162812.FUTJ8311@localhost>

Hello all QRP lovers!

Well, I've been on the list for a few days now, and have already
ordered an emtech and a K2!

This is a very inauspicious beginning!

The Icom MUST go!

I will go for \$500.00 if its fair.

I have to find some other things to sell, before my family is living

in the car, down by the river.....

Brett

N2DTS

(maybe operating portable in the future...)

Date: Tue, 2 Feb 1999 11:41:44 -0500 (EST)
From: William McFadden <wmcfadde@oucsace.cs.ohiou.edu>
To: qrp-1@Lehigh.EDU (qrp-1)
Subject: [31774] FYBO and Border Ops--No!
Message-ID: <199902021641.LAA04121@oucsace.cs.ohiou.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

PLEASE--Let's not mess up the wonderful FYBO event by throwing in multiple points for "Border Operations"!

Please! I beg you.

Eric

--

W. Eric McFadden WD8RIF Athens OH
wd8rif@qsl.net
<http://www.qsl.net/wd8rif>

Date: Tue, 2 Feb 1999 16:36:03 -0000
From: tf3vst@vortex.is (Villi Idunni)
To: "qrp-1@Lehigh.EDU" <qrp-1@lehigh.edu>
Subject: [31775] Subject: Intntl 500 KHz listening watch ended
Message-ID: <001601be4eca\$34814540\$5e87fea9@digranes>

OM,

I think that this might be interesting for all amateurs who would like to participate in this historical event although these stations are QRO (and they are!!!).

It is just over midnight Feb. 1st and I am sitting in the shack listening to the last transmissions of TFA on 500KHz. The stations at the North Atlantic Ocean started QSOs at 00:01 just after the last duty, saying goodbye to each

other and announcing that the 24 hour listening was stopped and no further CW service would be provided.

This below is from the 425DXN server, but I do not know if it is accurate, at least we in RA do not have any information about the TFA station getting the amateur call sign TF3TFA, but they might have.

72- de Villi TF3VS

THE END OF AN ERA ---> With the full implementation of the Global Maritime Distress Safety System (GMDSS) on 1 February, the international listening watch on 500 kHz will be ended. To celebrate the end of an era operators from Qaqortoq Radio (OX30XF), Nuuk Radio (OX30XI), Aasiaat Radio (OX30YR), Reykjavik Radio (TF3TFA), Torshavn Radio (OY30XJ), Lyngby Radio (OZ10XZ, operated by OZ8AE; OZ50XZ, operated by OZ5D; OZ10XB, operated by OZ6TL) will be QRV between 1 and 28 February and again during the special event weekend on 10-11 April on 1830, 3535, 7025, 10125, 14035, 18075, 21035, 24905 and 28035 Khz. QSL via bureau.

Date: Tue, 2 Feb 1999 10:48:58 -0600
From: Clifton W Sikes <ab5uacw@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [31776] WTB: NorCal paddle kit
Message-ID: <19990202.104858.6646.0.ab5uacw@juno.com>

Would like to buy a narrow spaced kit, or would trade my 40-9'er. Assembled, in Altoids tin, RFC's replaced with toroids.

CU in FYBO,

Clif

Clifton Sikes AB5UA QRP-L #478
Earlsboro, Ok.
ab5uacw@juno.com

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 13:31:52 -0500 (EST)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@lehigh.edu>
Subject: [31777] Re: FYBO "To the Border" (CO/NM)
Message-ID: <Pine.LNX.3.93.990202132608.705A-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Feb 1999, Paul Harden wrote:

> decided to run FYBO as a multi-op using Jan's call. So listen for

And your soup "prize" will be? If it turns out to be "Rocky Mountain
Oyster Stew" I think I'll have to reconsider... <grin>

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Tue, 2 Feb 1999 12:09:17 -0500 (EST)
From: Bob Patten <n4bp@bc.seflin.org>
To: William McFadden <wmcfadde@oucsace.cs.ohiou.edu>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31778] Re: FYBO and Border Ops--No!
Message-ID: <Pine.3.89.9902021243.A9259-0100000@bc.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Feb 1999, William McFadden wrote:

>

> PLEASE--Let's not mess up the wonderful FYBO event by throwing in multiple
> points for "Border Operations"!

>

How does that mess it up? Seems to me like it adds to the excitement,

work one guy, get two state multi's. Nothing more fun and encouraging in a contest than watching your score rapidly growing. Florida Contest Group's theme, "Multipliers Are". Wish I could spend more time in the event, but conflicts with the Tropical Hamboree in Miami. Hope to catch some of you with my late start...

73,

Bob Patten, N4BP (0 0) Plantation, FL

-----o00o-()-o00-----

E-Mail: n4bp@bc.seflin.org
Web Page: <http://wg104a.wh.uni-stuttgart.de/~n4bp>
Brass Pounder BBS: (954) 472-7715

Date: Tue, 02 Feb 1999 09:31:17 PST
From: "paul taylor" <ptay1@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [31779] pixie II for 10m
Message-ID: <19990202173117.24647.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

HI gang. I have tried unsuccesfully to put the pixie on 10m. It seems to be ideal for 10m. but no luck. please e-mail me off the list.
tnx paul wb2gin

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Tue, 2 Feb 1999 12:34:31 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Cc: <Brett.Gazdzinski@mci.com>
Subject: [31780] RE: Some new hobby!
Message-ID: <005801be4ed2\$4a6a1f00\$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Brett... QRP (and QRP-L) is about as good as it gets. There is more

energy around here than you will find anywhere (well... there's a lot going on with boat anchors)-but this group BUILDS, this group OPERATES, this group is amazing to me after 38 years of ham radio... for them to lead technically, and to operate as much as they all do. As you have already discovered for yourself: QRP is a whole 'nuther place!!!

72 / 73 Ed N4XY

Ed Tanton N4XY EMAIL: n4xy@mindspring.com
189 Pioneer Trail
Marietta, GA 30068-3466 TEL: (770)579-3933

INTERESTS: *CW (99.5%) *QRP (QRP-L# 758)
*BoatAnchors *Test Equipment *Photography

~~~~~  
"Think you can, think you can't:  
either way you're right!" Henry Ford  
~~~~~

Date: Tue, 2 Feb 1999 11:40:34 -0600
From: alfa33@scn.org
To: qrp-l@lehigh.edu
Subject: [31781] == WHICH HF RIGS CAN DO QRP? ==
Message-ID: <199902021241.GAA13020@smtp1.cei.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hello again ---

Does anybody out there have info on which of the
__current__ YAESU, KENWOOD and ICOM rigs will do
QRP right out of the box?

I know that the IC-706MKII has a front panel control for this,
but what about others? I've seen lots of spec sheets, but not
much about reduced power levels.

73,

Jacob Worthington
AA4FM

Date: Tue, 02 Feb 1999 12:54:04 -0500
From: "C. Lamar Derk" <n3at@epix.net>
To: qrp-l@Lehigh.Edu
Subject: [31782] It's here!!!!
Message-ID: <36B73BBC.2440@epix.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I have been watching with envy those on the list who have been reporting that their NC 20's had arrived, but today I am delighted to report that I have joined their ranks!!! "IT" was waiting for me when I arrived at the local post office this morning. Made all the icy roads and slippery conditions bearable. Could hardly wait to get home to open the box!!!

One word, that may have been overworked by teen-agers, came to mind when I saw what the box contained: "AWESOME!!!" My hat is off to Dave, Doug, Jim and all the others who have been involved in this spectacular project. Their devotion to its development, and the work they have put into it are nothing short of amazing. And they deserve our praise also for making these kits available to people in third world countries.

72 de Lamar

PS - There is another gentleman who is in the kit business who deserves our kudos. He is Dave Benson of Small Wonder Labs. Dave has been very helpful to me in the building of several of his kits, and has always been courteously available whenever I have had questions regarding the kits. Thanks, Dave!

Now, go forth, and melt solder!!!

Date: Tue, 2 Feb 1999 11:49:25 -0600
From: "Larry Cruise" <aa5ta@texasonline.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [31783] RE: Radio Works Carolina Windom
Message-ID: <000401be4ed5\$7836a400\$8f10cfd0@fpfzqlga>
MIME-Version: 1.0
Content-Type: text/plain;

charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Anyone interested in a Carolina Window should find the VRD (Vertical Radiating Dipole) article interesting. Check it out at:

<http://funnelweb.utcc.utk.edu/~cebik/vrd.html>

-72 aa5ta (West Texas)

Date: Tue, 02 Feb 1999 18:10:07 +0000
From: jfd_WA8GHZ <jdougher@wt.net>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [31784] ARS Spartan Sprint
Message-ID: <36B73F7C.C4AE671@wt.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Running in the "Tubby" division with a scrunched Omni-5 at 5 watts:
Thanks for 23 contacts and 5 of them were 1 watters in Houston. Great fun.

WA8GHZ Jack Houston

Date: Tue, 2 Feb 1999 12:42:24 -0600
From: John M Andrews <n5inz@juno.com>
To: cebik@utkux.utcc.utk.edu
Cc: QRP-L@lehigh.edu
Subject: [31785] Re:Hi L.B.....
Message-ID: <19990202.124225.3174.1.N5INZ@juno.com>

How are you?

Well...after years of notes to Hy-Gain, they finally sent me a copy of the manual on the Hy-Gain Hy-Tower Junior.

To refresh your memory a bit- This is a vertical sold in the

early sixties for a very brief time and is similar to the HT, this one is similar in the fact that it uses a straight "pipe" and has a bird cage with insulated spreaders for the elements. It's a stub-coupled type. No traps.

I suspect that it died in infancy due to:

1. It's tall. Nearly 40 ft and I would imagine a bear for one man to put up.
2. It's only rated at 45mph without guys.
3. Simple. Just too hard to keep proprietary.

As our resident antenna expert, any war stories on this one?

72, John-N5INZ

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 12:01:59 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Cc: jmedley@ix.netcom.com
Subject: [31786] Re: FYBO and Border Ops--No!
Message-ID: <Pine.SOL.3.91.990202114951.11072A-1000000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Tue, 2 Feb 1999, William McFadden wrote:

> PLEASE--Let's not mess up the wonderful FYBO event by throwing in multiple
> points for "Border Operations"!
>
> Please! I beg you.

I have no idea how operating from the NM/CO border will "mess" anything up. I am NOT encouraging others to operate from a state border ... that is reserved for the QRPTTF theme. FYBO is to encourage QRP operating from the field ... the winter Field Day of sorts ... with the operating temperature being the bonus points. Right this moment, it is 67 deg. in Socorro, hardly a temp to be competitive. So we chose to "head to

the hills" for some cooler temps, for which Raton Pass coincidently happens to be the state border, so might as well exploit it. We thought it would be fun to HAND OUT an extra SPC point for those working us, while OUR operation receives absolutely no scoring benefit from it whatsoever.

Remember, this is a hobby, and these contests are designed to get us on the air and have fun. We're planning on having fun; so should everyone else, but not neccessarily from a "border" :-) That's our gig.

72 and GL, Paul NA5N

Date: Tue, 02 Feb 1999 10:52:07 -0800
From: Arthur Gary Silvers <ags@ieee.org>
To: qrp-l@Lehigh.Edu
Subject: [31787] Melt Solder?
Message-ID: <36B74957.D641A834@ieee.org>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I am an occassional kit builder and have received my NC20 kit. I have completed, a Wilderness SST, with mods, with no real problem. Love that little rig! Beside waiting for some warmer temps in the garage to begin the NC20 project, I am in need of suggestions from a few of you more experienced solder melters with respect to a good purchase on a soldering iron/station. All of my previous soldering has been with a Weller Jr gun which I have had for 41 years ever since I built my DX20. Of course this is not the tool to use on QRP rigs. I used a RS 15w grounded iron (8 bucks) for the SST and spent a lot of time waiting for the iron to get hot enough to melt the lead free RS solder. I also went through two tips just for the SST. Should I try another RS iron? Cheap is still O.K. but wouldn't mind spending a few bucks on durable set up that will help the process along.

Also, if your placing bets, you may want to put one on me for the last NC20 on the air. But I will get there.

72 de "last but not least" Arth W6AGS

Date: Tue, 2 Feb 1999 14:26:13 -0500
From: "Mike Yetzko" <myetzko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31788] Re: Melt Solder?
Message-ID: <005201be4ee1\$e5904cc0\$8805010a@myetzko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

If you plan on doing ANY soldering of PCBs, get a good iron. I have a Weller TCP (I think that's it) setup. These have a temperature controlled tip, where the 'insert' for the tip is steel plated and the tip is magnetic. When they reach a certain temperature, they loose their magnetism, opening a circuit. The steel tip means that as long as you LEAVE THEM COATED WITH SOLDER except when you actually use them, the tips last forever. My standard tip has been on my iron since about 1978 and still going strong.

And while Weller doesn't make them, there are aftermarket tips available. I bought some 700degree tips from Contact East for I think about \$5 a piece that were 1/64" chisel tips. BEAUTIFUL tips when you do detailed work.

These stations will probably run about \$100, although I've seen them in surplus mags for less. They are 24v to the iron and the base is a transformer. The irons have a 3-conductor cable. Some of the top-line models can run almost \$400, and I'm sure if I were to get an industrial catalog, there would be more expensive units.

I also have a 110v Weller iron that takes a slightly different tip, but it's also magnetic and steel plated on the tip.

Weller also makes models with a temperature control on the base station. Some even with digital readout. When you adjust the control, the readout shows what temp you want for about 3 or 4 seconds, then begins tracking the tip until it gets there. Neat.

But the bottom line is the tip. Get a GOOD tip. Not a cheap piece of junk that you will replace every couple hundred components. Until you use a system with a good tip, you

just can't understand why people get excited about the good Weller irons.

Right now TechAmerica is closing out some station at half price (\$75) that has the temperature control on the base. But I don't know how good the tip is. It looks impressive in the ad, but then, it would take a LOT to get me away from my Wellers at home. There is no substitute for that kind of quality, except comparable quality.

I've played with some Ungars as well, and there's a few good irons there.

If you do get a tool with a plated tip, DON'T use a new tip until you are ready, then turn it on and IMMEDIATELY melt solder to cover it (the plated part that 'looks' different). When you go to solder, wipe it on the sponge, use it, and if it's not going to be used for more than a few minutes, COAT IT with solder AGAIN! And ALWAYS make sure it's coated with solder when it's turned off and put away.

And NEVER NEVER NEVER EVER mix solder!! Take any and all acid core that you may have, put it in a bag and put it out in the garage with the torch for pipe work. NEVER EVER let a good tip EVER touch acid core solder, or even work on a board that has accidentally had acid core used.

Mike Yetsko
N1DVJ

-----Original Message-----

From: Arthur Gary Silvers <ags@ieee.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Tuesday, February 02, 1999 2:08 PM
Subject: Melt Solder?

>I am an occasional kit builder and have received my NC20 kit. I have
>completed, a Wilderness SST, with mods, with no real problem. Love that
>little rig! Beside waiting for some warmer temps in the garage to begin
>the NC20 project, I am in need of suggestions from a few of you more
>experienced solder melters with respect to a good purchase on a
>soldering iron/station. All of my previous soldering has been with a
>Weller Jr gun which I have had for 41 years ever since I built my DX20.
>Of course this is not the tool to use on QRP rigs. I used a RS 15w
>grounded iron (8 bucks) for the SST and spent a lot of time waiting for
>the iron to get hot enough to melt the lead free RS solder. I also went
>through two tips just for the SST. Should I try another RS iron? Cheap

>is still O.K. but wouldn't mind spending a few bucks on durable set up
>that will help the process along.

>

>Also, if your placing bets, you may want to put one on me for the last
>NC20 on the air. But I will get there.

>

>72 de "last but not least" Arth W6AGS

>

>

>

>

Date: Tue, 2 Feb 1999 12:55:22 -0500

From: W5TB <w5tb@SoftHome.net>

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: [31789] The Bird Feeder Stelth Antenna

Message-ID: <v04011708b2dcec14ead4@[10.4.12.114]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Anyone interested in stelth antennas should find The Bird Feeder Antenna
article interesting. Check it out at:

<http://www.nordicdx.com/antenna/invisi/birdfeed.html>

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>

QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365

ARRL Life Member

Date: Tue, 2 Feb 1999 13:51:19 -0600 (CST)

From: William-McShan@ouhsc.edu (Mike McShan)

To: qrp-l@Lehigh.EDU

Subject: [31790] Son of FireBall:New List

Message-ID: <v01540b00b2dca8bedd72@[129.37.232.198]>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Hi gang,

I have six unclaimed 28.060 MHz oscillators. If you would like one then

drop me an email.

Here is the list of people that have requested oscillators. Please send \$5.35 per oscillator ordered and \$1.00 for shipping to

Mike McShan
4209 NE 143
Edmond, OK 73013

Also please enclose a self-addressed mailing label.

Name	Call	Number ordered
Tedd	AB6CO	1
Jack	KB1CW	1
Ken	N2CQ	1
Dave	ab5pc	2
John	KK5NU	1
jerry	aa1of	1

Date: Tue, 2 Feb 1999 14:56:47 -0500
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31791] Re: Melt Solder?
Message-ID: <007d01be4ee6\$2a8ed180\$8805010a@myetsko.insydesw.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

In my original post, I mentioned that the 110v iron (which is the Weller WPxx series, mine happens to be 25w, and they also come in 30 and 35 watt) is magnetic.

This is not the case. They are regulated, but not magnetically though the tip. I believe just through the shell that holds the tip senses back to the heater element.

The WP25 list for just over \$30. The WTCPT (the base station with the magnetic tips I mentioned earlier) list for about \$135.

(These prices were in last summers Digi-Key catalog)

Mike Yetzko
N1DVJ

>I also have a 110v Weller iron that takes a slightly different
>tip, but it's also magnetic and steel plated on the tip.
>

Date: Tue, 2 Feb 1999 15:05:03 -0500
From: "Mike Czuhajewski" <wa8mcq@erols.com>
To: <ae4ic@infi.net>
Cc: "QRP forum" <qrp-l@lehigh.edu>, "Mike Czuhajewski" <wa8mcq@erols.com>
Subject: [31792] Re: Newsgroup vs mail reflector
Message-ID: <199902022028.PAA06346@xanadu.evi-inc.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=Default
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I said--

> > I knew of the existence of the html archives for quite some time, but
only
> > started using it a few months ago--and now I'm not going back to the
daily
> > digests!
>

You said--

> This sounds like what I need. How do you access it?

Here's how to get to the html archives--fire up your web browser and go to

<http://listserv.lehigh.edu/lists/Archives/qrp-l/>

and that takes you directly to it. You could also go to the qrp-l homepage
at nd.edu, maintained by Steve Hideg, and page down through the menus and
eventually find a link to the same thing (although it goes by a different
name there).

The html archives is a really great way to keep up with qrp-l, and at least
for me it's better than the daily digest.

73 and queue our pea DE WA8MCQ

Date: Tue, 02 Feb 1999 14:28:52 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [31793] QRP flashlight
Message-ID: <36B77C24.7E8E@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I found a really neat little QRP flashlight. Small, very rugged, with a bright Xenon head that swivels 180 degrees. When we lost our power in a recent ice storm it did yeoman's duty resting on top my QRP rig with it's head pivoted down to illuminate the panel and on to my logbook. It also has a nice built-in clip so you can clip it to the bill of a baseball hat or to your shirt pocket. Uses 2 AA cells. Hubellite Flashlight 2202-2A - I found it at a Lowes here in MD for about \$16.

-72 de Chas W3KC-

PS- I have no connection with vendor etc. etc.

Date: Tue, 02 Feb 1999 15:14:10 -0500
From: Bruce Muscolino <w6toy@erols.com>
To: alfa33@scn.org
Cc: QRP-L@LEHIGH.EDU
Subject: [31794] Re: == WHICH HF RIGS CAN DO QRP? ==
Message-ID: <36B75C91.64D7@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jacob,

Any recent rig with solid state finals -- say since 1975 -- will do QRP more or less out of the box. You just turn down the CARRIER control on the front panel. Those few whose CARRIER control won't go quite low enough to make the 5 watt point can be further lowered by using the ALC input. See Ed Loranger's messages about 5 days ago.

Date: Tue, 2 Feb 1999 13:20:56 -0700
From: Gary L Surrency <gsurrency@juno.com>
To: qrp-1@Lehigh.EDU
Subject: [31795] NC20 tips (long)
Message-ID: <19990202.132304.-4147083.0.gsurrency@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

Nice comments by Chuck on his kit.

Chuck, on your paddle problem:

This sounds to me like the classic "piece of component lead flash, or other trash under the socket". I have had this kind of hair-pulling problem myself a few times. Closely spaced component holes in the PCB will sometimes shave off a tiny bit of solder plating as you press a transistor or other device down near the board. S&S Engineering specifically mentions this in their kit manuals as a cautionary statement. I had some of the debris from a part slip under one of the IF filter crystals in my SW-40+ kit, causing it to periodically go "deaf". I finally fixed it by using a short blast of compressed air on the top of the PCB. Similar intermittents can easily occur under IC's and/or their sockets.

When I first built my prototype NC20, I had no AGC action. It was due to a transistor lead sliver bridging across the top of the J310 AGC amp. Since it was still partially stuck the the transistor's lead, I had to use a tiny tweezer to fetch it out. These are just some tips for anyone who might come up with a similar problem.

I grounded my crystals the following way:

Solder them to the PCB first, then pre-tin a small spot about two-thirds of the way up the side of can, on the same side as the ground hole in the PCB. A little extra flux may help wet the nickel plating. Then, solder a cut-off resistor lead straight into the hole. I merely used a resistor with full leads, as I knew there would still be plenty of resistor left after I "borrowed" some for the crystal. ;-) Solder it in, straight up-and-down.

Then, bend over the lead so that it contacts the crystal can where you

just pre-tinned the crystal case. Cut off the resistor lead to the correct length, then hold it against the crystal with a small screwdriver or other tool while applying the soldering iron. Use a bit of fresh solder if needed, or pre-tin the resistor lead. Remove the soldering iron, and hold the lead still for a second or two until the solder cools.

The whole idea is to have both the crystal and grounding wire all prepared before actually doing the soldering, as you don't want to overheat the crystals and change their resonant frequency - thus altering the careful matching Doug has already done for us. You also do not want to rupture the hermetic seal at the bottom of the crystal package, since that is where the crystal is assembled. That is why it is better to stay up near the top of the crystal can when soldering.

As for the 84 KHz of tuning range Chuck got:

I also had about this much band coverage with mine. Originally, we were getting about 71 KHz. This was after the NC20 debug team decided to dispense with a 1N914 diode in the tuning pot voltage divider, as it was a small source of temperature-related VFO drift. That is why one extra diode appears in the kit, as Doug had already packaged them! ;-)

Since I don't do any operating above 14.071 MHz, I felt I would reduce the range a bit. R9 was reduced from 220k to 200k. I couldn't find a 200k resistor in my junk box, so I used two 100k resistors in series. One end of each resistor goes into the PCB holes, and the top leads of those resistors are bent together and tack-soldered. Other tuning ranges are easily accomodated this way.

Also, I wanted less RIT range than the +/- 3.5 KHz or so I was getting. So, I experimented and found that by using a 680k resistor for R5, instead of the original 330k, I could obtain about +/- 2 KHz RIT tuning. It varies some from the lower tuning end to the higher end. You may adjust this resistor to produce the RIT tuning you prefer. I found that the center detent control was making it difficult to move the RIT frequency just a little bit during a QSO, because the large original RIT range required only slight movement off of the detent, and therefore it would "snap back" to center too easily under these conditions.

If your rig seems a little bit lacking in sensistivity, here are some suggestions:

As Dave Fifield mentioned in the manual, some J310's are better than others. Dave Meacham and I both found we needed to replace some J310s in our kits to produce satisfactory VFO and RX sensitivity. Now, let's not all mass email Doug for replacement J310's un-necessarily!! Remember, we *were* building prototypes, and in the original prototypes we had to

ground the Gate lead of RF amp Q5, since it was missed in one of the early PCB designs.

Also, we all did a heck of a lot of work around the VFO JFET, Q2. So it is possible that during our work, we partially damaged some of the J310's by handling or replacing them. You all should be careful to not static damage (ESD) any of the active devices in the kit while building. Winter time is especially conducive to static situations, so don't automatically dismiss the ESD precautions that should *always" take place with handling semiconductors.

Keep in mind that many JFET's vary a lot in performance. It's nice to have some spares for this rig and other projects, so get some for yourself and stock up. RF amp Q5 and VFO oscillator Q2 are probably the two parts most likely to affect performance that use the J310.

A small improvement in RX sensistivity and improved noise figure (NF) can be achieved by replacing the 2N5179 transistor at Q7, with a Motorola MRF904. This device is in a similar 4 lead metal package, and has a lower NF (1.5 NF vs 4.5 NF, and ft of 4 GHz vs 1.4 GHz) than the 2N5179. If you have some or can get them easily, you might give it a try. I saw a small improvement in my rig this way.

But beware! It's not easy to unsolder a 4 legged transistor unless you really know what you're doing, so try it before permanently installing either device. Or, cut the leads off the original device before attempting to remove it.

You can just let the unsoldered leads temporarily hold the part in place during some comparisons. After the best part is found, you can solder it in. This procedure is part of my "kit blueprinting mods" I often use to eek out that last bit of performance. :-)

Although the MRF904 has a little more gain than the 2N5179 (16db vs 15 db), it does not affect the Q7-Q8 shunt-feedback amplifier gain, since this is set by the ratio of R36/R34, or about 25. But, the MRF904 is a much quieter device, as indicated by its location at the top of the Low-Noise Transistor chart in the ARRL Handbook; on page 24-18 in my 1998 copy. So it *is* a superior device, and direct comparisons by me bear that fact out in operation. If someone has the test equipment to derive the actual MDS figures, then the improvement can be verified and substantiated. My ears were good enough for me. ;-)

Other devices were also tried for Q8, with little improvement in NF, as it is less a factor in the weak signal levels coming from the crystal filter than Q7 is.

That's all for now. More tips will be made as we go, so stay tuned. ;-)

72,

Gary Surrency AB7MY QRP-L #571 Chandler, AZ (near Phoenix)

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 20:24:06 +0000
From: Patrick M Kvitkauskas <pmk@juno.com>
To: qrp-l@lehigh.edu
Subject: [31796] Orlando Hamcation
Message-ID: <19990202.202407.12310.0.pmk@juno.com>

Well just got off the phone with one of the gents
running the Hamcation. It looks like the best
place to meet will be at the

Icom Fun Mobile.

It will be between the main building and the
food tent (so he said).

I will start the time at 11:00. If there is any
other input let me know in the time and we
will have a vote but for now 11:00 will be it.

He said they will not have meeting tents this
year as he said he would gladly set us up in
but they are not going to have them.

Maybe next year I will get a little better organized
and get a hall or room to meet in next year.

72 de Patrick KD4OBQ

AR

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 14:19:49 cst

From: "William H. Hays" <wj50@juno.com>
To: QRP-L@LEHIGH.EDU
Subject: [31797] N0PTB beacon info
Message-ID: <19990202.142919.-70795.1.WJ50@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi all,
About two weeks ago there was a posting to this list
telling of the operation of a new ten meter beacon from
College Station/Bryan Texas. The post was by a person
other than the beacon operator and I have lost the
Beacon Info and E-mail address.
I would appreciate this info again from either the
original postee or a thoughtful low power person who
may have saved it.
Achives? How are they accessed?
73 Bill WJ50

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com/getjuno.html>
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 2 Feb 1999 13:48:16 -0500
From: W5TB <w5tb@SoftHome.net>
To: pharden@aoc.nrao.edu, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [31798] Re: FYBO and Border Ops--No!
Message-ID: <v0401170ab2dcf807babf@[10.4.12.114]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>> PLEASE--Let's not mess up the wonderful FYBO event by throwing in multiple
>> points for "Border Operations"!
>>
>> Please! I beg you.
>
>I have no idea how operating from the NM/CO border will "mess" anything
>up.

tnx Paul -- if folks get too excited about this I suggest using the county
hunters rule -- contact only counts for one of the two states -- the party
working you getting to pick which one.

Here in Big D we'll just have to hope for an unpredicted cold snap -- its 12+ hrs from here to the nearest elevation worth heading for. Oh well, we're gonna have fun anyway -- AND in our shirtsleeves ;-)

I grew up in Tempe and i really miss being able to get to the top of the rim in just a few hours. Playing in the snow in the morning, waterskiing in the afternoon, and running 5w with a heath lunch box on two meters from the top of South Mountain in the evening -- ahhhh, those were the days :-)

cu in da test

73 T.E. 'Doc' Drake W5TB

Arlington, TX w5tb@softhome.net <http://www.qsl.net/w5tb/>
QRPARCI # 3252 NORCAL #1002 QRP-L #673 FISTS # 5365
ARRL Life Member

Date: Tue, 02 Feb 1999 15:31:29 -0500
From: John Levreault <jlevro@mediaone.net>
To: w6toy@erols.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31799] Re: == WHICH HF RIGS CAN DO QRP? ==
Message-ID: <36B760A0.A2EA7A15@mediaone.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Bruce Muscolino wrote:

> Any recent rig with solid state finals -- say since 1975 -- will do QRP
> more or less out of the box. You just turn down the CARRIER control on
> the front panel. Those few whose CARRIER control won't go quite low
> enough to make the 5 watt point can be further lowered by using the ALC
> input.

...or twiddling an internal pot that sets the lower limit of the [front panel] carrier adjustment. At least that's what I did on my IC-745.

John nb1i

> See Ed Loranger's messages about 5 days ago.
>
> 73

Date: Tue, 02 Feb 1999 20:38:58 +0000
From: "Walter D. Amos" <waltk8cv@surfree.com>
To: qrp-1@lehigh.edu
Subject: [31800] solder station
Message-ID: <36B76262.7465998D@surfree.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Try

<http://www.wassco.com>

wtcpt at the give away price of \$99.96 !!

Walt k8cv

Date: Tue, 2 Feb 1999 14:39:10 -0600
From: Jeff Johns <jeffj@scott.net>
To: qrp-1@Lehigh.EDU
Subject: [31801] Your suggestions/comments
Message-ID: <199902022039.0AA12239x@scott.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

Okay gang... I have scrimped, saved, mowed lawns, flipped burgers, gone without lunches, made my kids wear old clothes, not let my kids go on school field trips, made my wife buy generic groceries and now have \$100 to spend on a kit. Okay, okay.... I didn't do all that, I really just sold some stuff that I had and made a little profit. Now here is where I would like to ask for everybody's comments and suggestions. I have asked this question before now, but now I'm ready to buy <grin>. I am seeking everyone's input on what I could get with my \$100 to get me one the air, in the novice section of 40 meters?

I think it would be appropriate to apply on the list, as I'm sure there are others out there who are in the same situation as me. I will admit that I'm leaning towards the SW40.

Thanks for the input!

73 Jeff W4JEF

```
*----- Jeff Johns W4JEF - AMSAT# 32615 -----*
|jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
| Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
|200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
*-----*
```

Date: Tue, 2 Feb 1999 12:49:28 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-l@lehigh.edu>
Subject: [31802] FYBO temp mult outside?
Message-ID: <19990202204928.6766.rocketmail@send105.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

If you are out in the field during FYBO is the temp multi the temp
outside of your tent, snowcave, yurt, heavily armoured VW van?

Jeff

==

Jeff Jones
AB6MB
NorCal QRP Club #65, QRP-L #1780
CW Forever!!!
Ghost Hunter
Owner of the Delta MudCats fantasy baseball team
Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?
Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 2 Feb 1999 15:48:18 -0500 (EST)
From: klhartman@lucent.com
To: qrp-l@lehigh.edu
Subject: [31803] VR(resonator)0's
Message-ID: <199902022048.PAA25398@nsgqs.cb.lucent.com>
Content-Type: text

A few months ago I build the crystal oscillator that Paul Harden, NA5N
presented in the Winter '97 issue of QRPp. I was using SMT devices that

I salvaged from a dead VCR and wanted a compact variable osc. for a 30 meter rx project. I substituted a 4 meg resonator (from Dan's parts), stuck about a 5.6 uH inductor in series with it and with a trimmer cap, and now had a variable frequency local oscillator. I only needed 50 kHz range. No problem getting the delta freq. I was unhappy when I looked at it on a spectrum analyzer though. At one point on my tuning range, the carrier developed a bunch of rug-rats around it (spurious junk). I added some turns of wire to the series inductor, don't know if it was series aiding or not, but the output cleaned up for the frequency range that I was using. The output is constant and at the level Paul said it would be. And the stinker is small. With a regulated voltage and a glob of insulating foam, it should be fine. Have to work on the other stages now.

Now, for the Non-QRP stuff. One cold morning my son scraped the frost off of the truck's windshield with the bottom of a Coke can. Clever, huh? It removed the frost, but left streaks of aluminum from the can on the glass. How do I remove the aluminum? Is there a common chemical that will eat it away without hurting the glass? Tried some rubbing compound. Y2K will be here before I get it removed that way.

As Always, Thanks

72,

Kaye Hartman, K8GZ Lancaster, OH

Date: Tue, 2 Feb 1999 12:52:36 -0800 (PST)
From: Jeff <fantbb@yahoo.com>
To: qrp qrp <qrp-1@lehigh.edu>
Subject: [31804] Re: Some new hobby!
Message-ID: <19990202205236.27940.rocketmail@send102.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

---Brett Gazdzinski <Brett.Gazdzinski@mci.com> wrote:

>

> Hello all QRP lovers!

> Well, I've been on the list for a few days now, and have already

> ordered an emtech and a K2!

Good for you and welcome!!!

> The Icom MUST go!

> I will go for \$500.00 if its fair.

> I have to find some other things to sell, before my family is living

> in the car, down by the river.....

Quick, sell the car!!!

Jeff

==

Jeff Jones

AB6MB

NorCal QRP Club #65, QRP-L #1780

CW Forever!!!

Ghost Hunter

Owner of the Delta MudCats fantasy baseball team

Long live Manchester United and the Oakland A's!!!!!!

DO YOU YAHOO!?

Get your free @yahoo.com address at <http://mail.yahoo.com>

Date: Tue, 2 Feb 1999 12:58:05 -0800 (PST)
From: David J Adams <adamsclan@netgate.net>
To: qrp-l@lehigh.edu
Subject: [31805] NC20 up and running
Message-ID: <199902022058.MAA02772@u1.netgate.net>

Okay, the final tune-up isn't until tonight, but it is done! For those wondering how I got from a perma-muted receiver to a functioning NC20, I have three words for you: I HAD HELP!

Knowing the designer helps, I guess and as usual I had managed to diagnose the effect, but Dave pinpointed the cause for me (in about a weeks less time that it would have taken me). Q20 was thoroughly shorted through. A quick replacement of the 3906 and a disapproving glance from Dave at my station's mono-plug equipped speaker, and I was good to go. So, I will tune it up tonight and hopefully snag my first contact in the AM.

Thanks to Dave for the help (the cookies are on me) and to Norcal for yet another great kit.

I did notice that when I was done that I had one extra part left over. Seems I forgot to install C92 back in the regulator section...silly me...

73 de dave, n9uxu

Date: Tue, 2 Feb 1999 14:10:41 -0700 (MST)
From: af852@rgfn.epcc.edu (William R Colbert)

To: N7YA@aol.com, qrp-1@lehigh.edu
Subject: [31806] Re: Who's Who list....some clarification.
Message-ID: <199902022110.0AA01345@rgfn.epcc.edu>

Need to do equal time since Walter Cronkite, KB2GSD, formerly of
CBS news was mentioned, Roy Neal, K6DUE, formerly of NBC News.

--

Ray Colbert, W5XE
OOTC 3618, SOWP 1064M
El Paso, Tx (FAR WEST TEXAS!)
also: w5xe@juno.com

Date: Tue, 2 Feb 1999 13:22:12 -0800
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31807] Solder Stations/Tips on Sale...
Message-ID: <199902022119.NAA08675@proxy3.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

The Weller WTCPT is on sale at Wassco for \$75.95.
URL: <http://www.wassco.com/was/wtconoutstat.html>
or call: 1-619-679-8787

WTCPT tips are on sale at: Tool Town for \$2.07 ea.
(excellent assortment of 700 & 800 degree tips)
URL: <http://www.tooltown.com/ptdeal.htm>
or call: 1-425-485-8055, Fax: 1-425-485-7819

standard disclaimers, etc, etc :-)

Happy Soldering,

GL - 72 - Conrad Weiss - NN6CW

Date: Tue, 02 Feb 1999 14:32:45 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>

To: jeffj@scott.net, qrp-1@Lehigh.EDU
Subject: [31808] Re: Your suggestions/comments
Message-ID: <36B76EFD.72D3F2B7@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff

I am in the same predicament. I was leaning toward the sw+ or the SST from Wilderness.

A few days ago I found a NorCal 40 on one of the groups on www.dejanews.com. I got it for \$50, which is an extraordinary price. Put the word out that you are looking for, i.e. WTB:QRP rig, and see what happens. Also, check rec.radio.swap and the like everyday. Be patient and your \$100 dollars will go far. My total investment in hame radio has been about \$225. So far, I have a serviceable old QRO rig, a Kenwood TH-22AT 2M HT, and a NorCal 40. Not bad. I've found that if you take care of your family first, good deals just seem to come along--must be a Kharma thing or something.

Usually someone gets to the good deals before you do, but, as they say, "all things come to he who waits". I missed several good deals before I snagged this one.

Bruce kk7zz

Jeff Johns wrote:

> Okay gang... I have scrimped, saved, mowed lawns, flipped burgers, gone
> without lunches, made my kids wear old clothes, not let my kids go on school
> field trips, made my wife buy generic groceries and now have \$100 to spend
> on a kit. Okay, okay.... I didn't do all that, I really just sold some stuff
> that I had and made a little profit. Now here is where I would like to ask
> for everybody's comments and suggestions. I have asked this question before
> now, but now I'm ready to buy <grin>. I am seeking everyone's input on what
> I could get with my \$100 to get me one the air, in the novice section of 40
> meters?

>

> I think it would be appropriate to apply on the list, as I'm sure there are
> others out there who are in the same situation as me. I will admit that I'm
> leaning towards the SW40.

>

> Thanks for the input!

>

> 73 Jeff W4JEF

>

> *----- Jeff Johns W4JEF - AMSAT# 32615 -----*

> |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
> | Satellite: Mir R0MIR-1, AO-27 | Jefferson County Sheriff's Dept|
> |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
> *-----*

Date: Tue, 2 Feb 1999 14:16:44 -0700
From: "Ron Smith" <resmith666@uswest.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31809] Re: pixie II for 10m
Message-ID: <0b1601be4ef5\$98a29b20\$030000004@ron1>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>HI gang. I have tried unsuccesfully to put the pixie on 10m. It seems to
>be ideal for 10m. but no luck. please e-mail me off the list.
>tnx paul wb2gin

Paul...

Why not e-mail you ON the list so we ALL can share from your experiences
with the 10m Pixie? I'm sure I'm not the only one interested.

72 to all...

Ron Smith
KD7VD
Boise, Idaho

Date: Tue, 2 Feb 1999 16:49:11 -0500 (EST)
From: Kevin Bunin <p014455b@pb.seflin.org>
To: James Skalski <jskalski@buffnet.net>
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31810] Re: I com 735 trade/sale?
Message-ID: <Pine.3.89.9902021651.B16191-0100000@pb.seflin.org>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I agree with Jim. The IC-735 is a very good rig.

Kevin K4PG

-

Kevin Bunin
p014455b@pb.seflin.org

On Mon, 1 Feb 1999, James Skalski wrote:

> You are wasting your money if you trade the icom for the k2. Add up all
> the options for the K2 and see what the total is. SSB,high power option.
> Just drop the power down. The Icom 735 is a superb rig.

>

> 73,

>

> Jim N2go

>

>

Date: Tue, 2 Feb 1999 15:29:15 -0600

From: "Irving" <jbirving@ticon.net>

To: <qrp-l@Lehigh.EDU>

Subject: [31811] Re: mail list vs. newsgroup

Message-ID: <01be4ef3\$157bb1c0\$f2462e9c@jbirving.ticon.net>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Content-Transfer-Encoding: 7bit

>> > I don't want to complain, but this would be *much* easier for me if it
were

>> > a newsgroup on Usenet. I have to use a Web-based mail service, and I
have

I found that not all news servers are created equal and that many messages never get through. To see what I mean, join one of the active usenet groups that post binary graphics. Large files are usually split into smaller junks (1 of 50, 2 of 50, etc) and then must be reassembled by the receivers software to get the complete picture. After watching what shows up over a couple of days, you began to realize that a good portion of the messages or "chunks" never found their way to your server; out of the 50 original

messages you may be missing ten or more.

Since finding out I can get on lists and receive them as e-mail I've cut back on my usenet activity.

Why some messages never get through I can't answer...its beyond my understanding of the internet.

Jim Irving KB9JFK
Franklin, Wisconsin

Date: Tue, 02 Feb 1999 14:51:08 -0700
From: Bruce Kizerian <kizerian@ced.utah.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>, jeffj@scott.net
Subject: [31812] Re: Your suggestions/comments
Message-ID: <36B7734B.DB2636DF@ced.utah.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jeff

I just recalculated. My total expenditures were \$140, not \$225. I forgot how little

I paid for the HF rig (15\$). I really thought I was better at math than that.

Bruce

Bruce Kizerian wrote:

> Jeff

>

> I am in the same predicament. I was leaning toward the sw+ or the SST from
> Wilderness.

> A few days ago I found a NorCal 40 on one of the groups on www.dejanews.com. I
> got it for \$50, which is an extraordinary price. Put the word out that you are
> looking for, i.e. WTB:QRP rig, and see what happens. Also, check rec.radio.swap
> and the like everyday. Be patient and your \$100 dollars will go far. My total
> investment in hame radio has been about \$225. So far, I have a serviceable old
> QRO rig, a Kenwood TH-22AT 2M HT, and a NorCal 40. Not bad. I've found that if
> you take care of your family first, good deals just seem to come along--must be
> a Karma thing or something.

>

> Usually someone gets to the good deals before you do, but, as they say, "all

> things come to he who waits". I missed several good deals before I snagged this
> one.
>
> Bruce kk7zz
>
> Jeff Johns wrote:
>
> > Okay gang... I have scrimped, saved, mowed lawns, flipped burgers, gone
> > without lunches, made my kids wear old clothes, not let my kids go on school
> > field trips, made my wife buy generic groceries and now have \$100 to spend
> > on a kit. Okay, okay.... I didn't do all that, I really just sold some stuff
> > that I had and made a little profit. Now here is where I would like to ask
> > for everybody's comments and suggestions. I have asked this question before
> > now, but now I'm ready to buy <grin>. I am seeking everyone's input on what
> > I could get with my \$100 to get me one the air, in the novice section of 40
> > meters?
> >
> > I think it would be appropriate to apply on the list, as I'm sure there are
> > others out there who are in the same situation as me. I will admit that I'm
> > leaning towards the SW40.
> >
> > Thanks for the input!
> >
> > 73 Jeff W4JEF
> >
> > *----- Jeff Johns W4JEF - AMSAT# 32615 -----*
> > |jeffj@scott.net w4jef@amsat.org | Reserve Patrol Captain |
> > | Satellite: Mir ROMIR-1, AO-27 | Jefferson County Sheriff's Dept|
> > |200LX+BayPac+FT50=Portable Packet| QTH Birmingham, AL USA |
> > *-----*

Date: Tue, 2 Feb 1999 15:48:46 -0600 (CST)
From: "Jeff Logullo - SE Sun St. Louis" <Jeff.Logullo@Central.Sun.COM>
To: qrp-1@Lehigh.EDU
Subject: [31813] Re: It's here!!!!
Message-ID: <199902022151.PAA05800@sunarch2.Central.Sun.COM>
MIME-Version: 1.0
Content-Type: TEXT/plain; charset=us-ascii
Content-MD5: 7czlQxjHfURdckZ6YfJxhQ==

By my calculations, we have yet to receive 485 more "I just got my NorCal 20!"
emails...

: -)

Date: Tue, 2 Feb 1999 14:57:07 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-1@lehigh.edu, cqclist@mtechnologies.com
Subject: [31814] Tech America Specials
Message-ID: <199902022157.0AA17878@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

The "TA Insider" has some good special offers. They give you an order code and there is an assumption that these are "web only specials" but in fact you can quote the order code at your local TechAmerica store and they will honor the web prices. Be sure you have the code with you, the part numbers, and the special prices!

The way it works is they send you an e-mail once a month with a web address to go to-- apparently not findable just by looking at their site.

In January I got a measurement calculator that will calculate in feet/inches/fractions, metric, or decimal, and convert from one to another by pushing a button. Also a wire stripper for 20-30g wire (yes, to 30g!), both at very deep discounts.

We welcome e-mail recipients to share these deals with, and encourage you to send this offer to your friends. Friends, when you get this mailing, please register for your own copy at
<http://www.techam.com/insiderconsumer.asp>

As a Commercial Customer, please register at
<http://www.techam.com/insiderbusiness.asp>

73

Marshall Emm

N1FN/VK5FN

n1fn@MorseX.com

Morse Express

"Everything for the Morse Enthusiast"

<http://www.MorseX.com>

(303)752-3382

--

Date: Tue, 2 Feb 1999 16:10:41 +0000
From: "Bryan Turner" <turnerw@email.uah.edu>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,
Jeff.Logullo@Central.Sun.COM
Subject: [31815] Re: It's here!!!!
Message-ID: <199902022210.QAA18352@uahis1.uah.edu>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

That's assuming each owner will limit themselves to one message.
> By my calculations, we have yet to receive 485 more "I just got my NorCal 20!"
> emails...
>
> :-)
>
>
>

Date: Tue, 2 Feb 1999 16:25:51 -0600
From: "Irving" <jbirving@ticon.net>
To: <qrp-1@Lehigh.EDU>
Subject: [31816] Re: == WHICH HF RIGS CAN DO QRP? ==
Message-ID: <01be4efa\$fdafcce0\$f2462e9c@jbirving.ticon.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

>Bruce Muscolino wrote:
>
> Any recent rig with solid state finals -- say since 1975 -- will do QRP
> more or less out of the box. You just turn down the CARRIER control on
> the front panel. Those few whose CARRIER control won't go quite low
> enough to make the 5 watt point can be further lowered by using the ALC
> input.

I have an Alinco DX-77T; there is an internal slide switch that drops max power to 50 watts instead of 100w. Next to the switch are two micro-pots labeled "Low Power" and "High Power"...I haven't turned those, yet. Now from the front panel when "Low Power" is selected the output is 5watts on FM, CW, and SSB (10% of high power output) and about the same on AM. The 77T comes standard with a keyer and 500hz crystal filter installed for

CW. The advertising literature mentions the keyer, and tone board, but not the 77T's crystal filter. The manual said it was there, so I pulled off the cover and looked. Apparently, these items are options in other parts of the world.

Jim Irving KB9JFK #1843
Franklin, Wisconsin

Date: Tue, 2 Feb 1999 17:21:42 -0500 (EST)
From: malman@world.std.com (joel malman)
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [31817] FOX: Fox Tonight?
Message-ID: <199902022221.AA03288@world.std.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Fox Hunters:

Is there a Fox hunt tonight? I have not seen any messages about tonights (Tuesday) schedule.

--
/joel K1QM (Ex-wa1qvm) Concord, Massachusetts
QRP-L 337, QRP-ARCI 9305, MI-QRP 1641, NorCal #1884

Date: Tue, 02 Feb 1999 15:12:31 -0500
From: Mike Manship <mjmanship@iquest.net>
To: <qrp-l@Lehigh.EDU>
Subject: [31818] Re: Melt Solder?
Message-ID: <3.0.2.32.19990202151231.00699ed0@pop.iquest.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> The WTCPT (the base station
>with the magnetic tips I mentioned earlier) list for about \$135.
>
Check the following URL for the WTCPT for \$75.95

<http://www.wassco.com/was/wtconoutstat.html>

73 de Mike W90J

Date: Tue, 02 Feb 1999 18:37:31 -0400
From: Dave Marling <dbm@klis.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [31819] Re: It's here!!!!
Message-ID: <36B77E2B.AFE0C4C3@klis.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

> By my calculations, we have yet to receive 485 more "I just got my

Even though I didn't order one I do enjoy the NC-20 "hints and kinks" messages. But, it is becoming a trifle tiresome with these "me too" messages. I think I see an e-mail filter application coming up here!

Dave
VE1VQ
Yarmouth, Nova Scotia

Date: Tue, 02 Feb 1999 14:32:57 -0700
From: Kory Hamzeh <kory@avatar.com>
To: turnerw@email.uah.edu, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [31820] Re: It's here!!!!
Message-ID: <3.0.5.32.19990202143257.03926100@ns1.avatar.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:10 PM 2/2/99 +0000, Bryan Turner wrote:

>That's assuming each owner will limit themselves to one message.
>> By my calculations, we have yet to receive 485 more "I just got my NorCal 20!"
>> emails...
>>
>> :-)
>>

Agreed! I don't mean to be a party pooper, but this is getting excessive!

Kory

AC6RN

Date: Tue, 2 Feb 1999 15:38:33 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Cc: cqclist@mtechnologies.com
Subject: [31821] Solar Forecast for FYB0
Message-ID: <Pine.SOL.3.91.990202002916.5841C-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Gang,

The solar flux goes UP and it goes DOWN over about a 27 day period as the sun rotates. For the current solar rotation:

Maximum solar flux 178 on Jan. 22
Minimum solar flux 115 on Jan. 30

This means we're at the MINIMUM solar flux for this rotation RIGHT NOW. My personal guess is by FYB0 saturday, the solar flux will be around 130. This is not generally sufficient to sport good propagation on 10M, and barely for 15M. So all those fantastic reports of great DX on 10M 2 weeks ago just are not the situation right now. Sorry.

The good news is being at the minimum, means the solar activity is also at a minimum (there are no threatening regions on the sun right now). This means the geomagnetic field is quiet, A indexes 9 or less, so therefore 20M and 40M should be fairly quiet (no big static crashes, etc.). And being at the solar flux minimum, this means the D-layer is not being ionized as much as usual, so absorption to 40M signals will be less, meaning slightly better daytime 40M signal strengths than normal.

So for FYB0 ...

10M Very likely will not be open
15M will likely be the "top" band usable, but marginal
20M The best daytime band for FYB0 with good skip propagation and fairly quiet band conditions
40M Typical "daytime" 40M propagation with perhaps slightly better signal strengths than normal due to lower D-layer absorption.
Late afternoon into darkness, should be very good and quiet.

GRAY LINE PROPAGATION. This year FYB0 extends into darkness. This is a good opportunity to work the contest at sundown and a bit beyond. During daylight hours, propagation tends to be primarily east-west (and of

course ground wave). But as the sun starts to set, propagation will shift to "flow" along the earth's shadow, that is, favoring north-south propagation. This applies to both 20M and 40M around sundown and through twilight, although some serious fading can be present as well as your signals alternate between ground and sky wave. A good opportunity though to suddenly work a bunch of stations you just have not been able to work or hear during daylight. This is a MAJOR HINT guys!

The point of this is to understand conditions a bit to make your FYBO equipment plans ... which rigs to take, which antennas, etc. If you're gonna snowshoe in somewhere and can take only one rig ... I'd make it 20M. If you have room for 2 rigs, make it 20 and 40M. I would add 15M as a maybe 3rd band, and wouldn't waste my time with 10M on this one, unless you're operating from your home QTH. Just my opinion, and hope it helps.

Actually, conditions Saturday would be ideal for 30M ... but let's not open that one again -hi.

The real point is ... participate, get on the air, get together with some buddies (eyeball or on the air) and have fun. Doesn't matter whether you're air-dropped on to Pike Peak or from the comfort of your home, using a tower and beam or a wire between trees, your SW+ or a Voice of America transmitter turned down to 5W ... just do your QRP thing.

Happy FYBO and hope to work a bunch of ya,
72, Paul NA5N

-----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, New Mexico -----
| VLA - Very Large Array Observatory - Worlds largest radio telescope |
| VLBA - Very Long Baseline Array - even larger |
----- (pharden@zia.aoc.nrao.edu) --- (73 de NA5N) -----

Date: Tue, 2 Feb 1999 22:44:09 -0000
From: tf3vst@vortex.is (Villi Idunni)
To: "qrp-1@Lehigh.EDU" <qrp-1@lehigh.edu>
Subject: [31822] OHR 100A
Message-ID: <004001be4efe\$87ad64e0\$5e87fea9@digranes>

Guys,

I'm just beginning to assemble my 20m OHR 100A rig.

I will do it slowly, and enjoy every minute of it. Guess I will use as many days at least as Ed's hours.

So, any advice from you wise elders -- any pitfalls to avoid.

What about the extra turn on L114, does that apply to 20m?

72 - Villi TF3VS

Date: Tue, 02 Feb 1999 22:57:55 +0000

From: Arjen Raateland <Arjen.Raateland@vyh.fi>

To: tf3vst@vortex.is

Cc: QRP-L <QRP-L@lehigh.edu>

Subject: [31823] Re: Subject: Intntl 500 KHz listening watch ended

Message-ID: <36B782F3.B20@vyh.fi>

MIME-version: 1.0

Content-type: text/plain; charset=us-ascii

Content-transfer-encoding: 7bit

Content-Transfer-Encoding: 7bit

Villi Idunni wrote:

> It is just over midnight Feb. 1st and I am sitting in the shack listening to
> the last transmissions of TFA on 500KHz. The stations at the North Atlantic
> Ocean started QSOs at 00:01 just after the last duty, saying goodbye to each
> other and announcing that the 24 hour listening was stopped and no further
> CW service would be provided.

It was announced via packet radio that Ostende Radio in Belgium was going to stop the 500 kHz watch at 23:00 UTC, a little earlier than the North Atlantic stations. At home in Helsinki I have just a short wire on the balcony, and I didn't hear anything from Ostende at 23:00 UTC, but then some time past the hour suddenly a strong carrier came on frequency and then came the QSL message for OST from somewhere in Finland (OHC):

OST de OHC QSL best 73 dit dit dit

I'm glad I did listen in, even though I heard only noise at first on my pathetic wire.

I haven't seen any local news about stopping the use of morse code in the marine service in Finland. The whole concept of morse code is probably so inconceivably old-fashioned to the media in this country where every family seems to have as many mobile phones as there are over 5 yrs. old family members, hi (NOKIA of mobile phones fame is a Finnish

best 73,
Arjen, 0H2ZAZ

AX.25: 0H2ZAZ@0H2RBI.FIN.EU

=20
 (N) (4) (J) (S) John L. Sielke n4js@pobox.com n4js@qsl.net
 NJ Grid:FM29LN <http://www.qsl.net/n4js>
 NJ-QRP #57 QRP-L #884 QRP-ARCI ARQrp #86
 G-ORP #9544 NorCal #1989 COC AKORP OCWA FISTS #2781

Date: Tue, 02 Feb 1999 17:18:45 -0600
From: "Michael A. Newell" <wb4huc@texas.net>
To: alfa33@scn.org

Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31825] Re: == WHICH HF RIGS CAN DO QRP? ==
Message-ID: <36B787D4.12B19C89@texas.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Jacob:

The Ten Tec OMNI VI also has variable power output,
between 0 and 100 watts..

I have operated mine at as low as 1 watt on cw, and 2
watts on SSB, measured with my OHR WM-2 wattmeter.

OMNI VI specs are at <http://www.tentec.com/tt564.htm>

73,

Mike Newell -- WB4HUC
Austin, TX
QRP-L 1668
<http://wb4huc.home.texas.net/omni-vi/> - The Unofficial OMNI
VI Web Site

Date: Tue, 2 Feb 1999 15:44:32 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [31826] Re: It's here!!!!
Message-ID: <Pine.SOL.3.96.990202154101.3079B-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

> >That's assuming each owner will limit themselves to one message.

> >> By my calculations, we have yet to receive 485 more "I just got my
> NorCal 20!" emails...

>

> Agreed! I don't mean to be a party pooper, but this is getting excessive!
>

This is all about having FUN.

So far I have seen about as many posts complaining about seeing
"I got my NC20" posts as I have NC20 posts!! :-)

So just post away and let us share in your excitement!

Just my 2 cents worth....

73, Ron, SOWP 5545M,

.....KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu.....Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Tue, 2 Feb 1999 16:46:46 -0700
From: "Alyn Backe" <ve6bpr@cnnnet.com>
To: "QRP-L" <qrp-l@lehigh.edu>, <dave.g0dja@psilink.co.uk>
Subject: [31827] Re: Elecraft K2
Message-ID: <00c301be4f06\$4c138ba0\$8506e5cf@laptop>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello Dave.

They are a new CW/SSB QRP transceiver kit for 10 through 160 (depending on
the options you add). Have a look at the following link.

<http://www.elecraft.com>

73, AL, VE6BPR.....sk

-----Original Message-----

From: David J. Ackrill <dave.g0dja@psilink.co.uk>
To: Multiple recipients of list <qrp-canada@lists.gpfn.sk.ca>
Date: Tuesday, February 02, 1999 4:40 PM
Subject: Re: Elecraft K2

>Anyone else in VE land ordering an Elecraft K2? Just got my order off
today.

>Now 8 weeks of torture, waiting for it to arrive! Would like to work some
>other VE's after it's put together.

I rejoined QRP-L a little late for these new Kits.

I wonder what they are and what the costs are please?

Cheers - Dave (G0DJJA)

Who built the little 40M kit from a couple of years ago, and changed it into an 80M transceiver. HI!

End of QRP-L Digest 1355

